Ro219

TRC

Customer-Focused Solutions

July 25, 2005

TRC Project No. 42014406

Mr. Don Hwang
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RE: Quarterly Status Report - Second Quarter 2005
76 Station #5043, 449 Hegenberger Road, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Second Quarter 2005 Quarterly Status Report for the subject site, shown on the attached Figures 3 through 5.

PREVIOUS ASSESSMENTS

The subject site is an operating ConocoPhillips (76) service station, situated on the southwestern corner of Hegenberger Road and Edgewater Drive in Oakland, California. Station facilities include three underground storage tanks (USTs), four dispenser islands, and a station building. A total of six groundwater-monitoring wells are located at or near the site.

October 1991: Four soil samples were collected from the product pipe trenches at depths of approximately 3 feet below ground surface (bgs) during a dispenser island modification. Petroleum hydrocarbon concentrations were moderate to elevated. The product pipe trenches were subsequently excavated to the groundwater depth at 4 to 4.5 bgs.

February 1992: Three monitoring wells were installed at the site to depths ranging from 13.5 to 15 feet bgs.

August 1992: Three additional monitoring wells were installed at the site to depths of 13.5 feet bgs.

September 1994: One 280-gallon waste oil UST was removed from the site. The tank was made of steel, and no apparent holes or cracks were observed in the tank. One soil sample was collected from beneath the former tank at a depth of approximately 9 feet bgs. No petroleum hydrocarbons were detected.

January 1995: Two additional monitoring wells were installed at the site to a depth of 13 feet bgs. In addition, two existing monitoring wells were destroyed in order to accommodate the

1590 Solano Way, Suite A • Concord, California 94520
Telephone 925-688-1200 • Fax 925-688-0388

construction of a car wash at the subject site. Wells MW-4 and MW-5 were fully drilled out and backfilled with neat cement.

March 1995: Two 10,000-gallon gasoline USTs and one 10,000-gallon diesel UST were removed from the site. Groundwater was encountered in the tank cavity at a depth of approximately 8.5 feet bgs. Soil samples contained low levels of total petroleum hydrocarbons as diesel (TPH-d) and benzene, and moderate levels of total petroleum hydrocarbons as gasoline (TPH-g). Approximately 125,000 gallons of groundwater were pumped from the site for remediation and properly disposed offsite. Four dispenser islands and associated product piping were also removed. Based on detections in confirmation samples, the product dispenser islands were over excavated to approximately 6 feet bgs.

March-April 1995: During demolition activities of the former station building, soil samples were collected from two excavations, which were subsequently over excavated. Confirmation samples contained low petroleum hydrocarbons. An additional area on the south side of the former station building was excavated based on photoionization detector (PID) readings. Two monitoring wells were destroyed in order to allow for over excavation activities to extend to an area adjacent to the dispenser islands in the southeastern quadrant of the site. The excavated areas were subsequently backfilled with clean-engineered fill.

April 1997: Two additional monitoring wells were installed in the vicinity of the site to depths of 13 to 15 feet bgs. In addition, well MW-3, which was damaged during the UST cavity overexcavation in 1995, was fully drilled out and reconstructed in the same borehole.

October 2003: Site environmental consulting responsibilities were transferred to TRC.

SENSITIVE RECEPTORS

A sensitive receptor survey has not been performed for the site.

MONITORING AND SAMPLING

Groundwater samples have been collected on a quarterly basis since 1992. Since 1995, the highest hydrocarbon concentrations, with the exception of methyl tertiary butyl ether (MTBE), have been observed in onsite monitoring well MW-6.

Currently, three onsite and three offsite wells are monitored and sampled quarterly. All wells were sampled this quarter. The groundwater gradient and flow direction were 0.02 foot/foot to the southeast. These data were consistent with historical data.

CHARACTERIZATION STATUS

Total purgeable petroleum hydrocarbons (TPPH) were detected two of six wells, with a maximum concentration of 130,000 micrograms per liter (µg/l) in onsite monitoring well MW-6. These levels were consistent with recent historical data.

Benzene was detected in one of six wells, with a maximum concentration of 800 µg/l in onsite monitoring well MW-6. These levels were consistent with recent historical data.

MTBE was detected was detected in three of six wells, with a maximum concentration of 110 µg/l in onsite monitoring well MW-3. These levels were consistent with recent historical data.

Total petroleum hydrocarbons as diesel (TPH-d) were detected in five of six wells, at a maximum concentration of 16,000 µg/l in onsite monitoring well MW-6. These levels were consistent with recent historical data.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

May 24, 2005: TRC submitted the Dual-Phase Extraction Report to Alameda County Health Services.

CURRENT QUARTER ACTIVITIES

June 15, 2005: TRC performed groundwater monitoring and sampling. Wastewater generated from well purging and equipment cleaning was stored at TRC's groundwater monitoring facility in Concord, California, and transported by Onyx to the ConocoPhillips Refinery in Rodeo, California, for treatment and disposal.

NEXT QUARTER ACTIVITIES

Continue quarterly monitoring and sampling to assess plume stability and concentration trends at key wells. Discuss site path forward and closure requirements with the lead regulatory agency for the site and incorporate results of discussions in the next quarterly status report.

If you have any questions regarding this report, please call me at (925) 688-2466.

Sincerely,

TRC

Roger Batra
Senior Project Manager

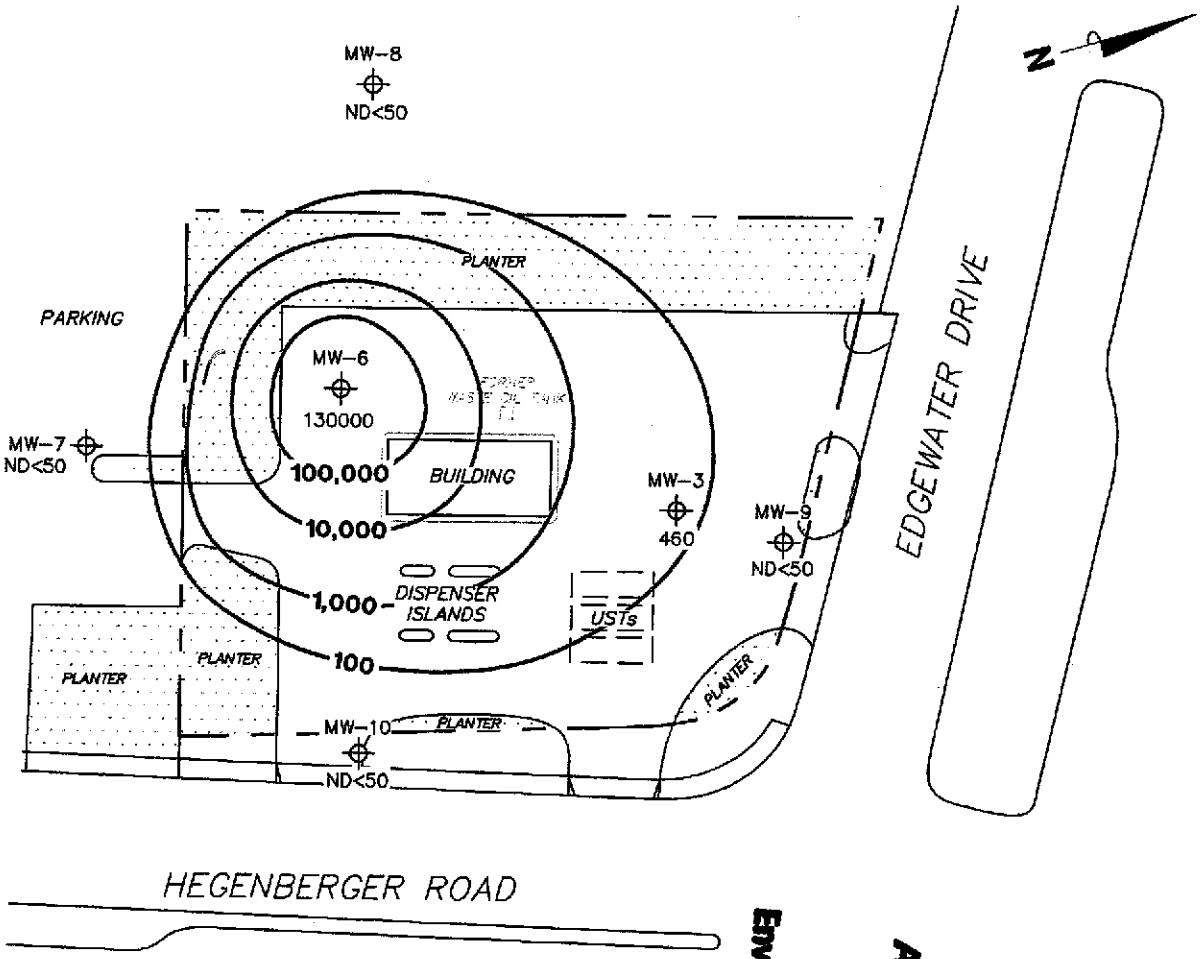
Attachments:

Figure 3 – Dissolved-Phase TPPH Concentration Map, June 15, 2005, from Quarterly Monitoring Report, April through June 2005, dated July 21, 2005 by TRC.

Figure 4 – Dissolved-Phase Benzene Concentration Map, June 15, 2005, from Quarterly Monitoring Report, April through June 2005, dated July 21, 2005 by TRC.

Figure 5 – Dissolved-Phase MTBE Concentration Map, June 15, 2005, from Quarterly Monitoring Report, April through June 2005, dated July 21, 2005 by TRC.

cc: Shelby Lathrop, ConocoPhillips (electronic upload)
Beretta Investment Group, 39560 Stevenson Pl., Suite 118, Fremont, CA 94539



Alameda County
AUG 01 2005
Environmental Health

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

-100,000- Dissolved-Phase TPPH Contour (µg/l)

DISSOLVED-PHASE TPPH CONCENTRATION MAP
June 15, 2005

76 Station 5043
449 Hegenberger Road
Oakland, California

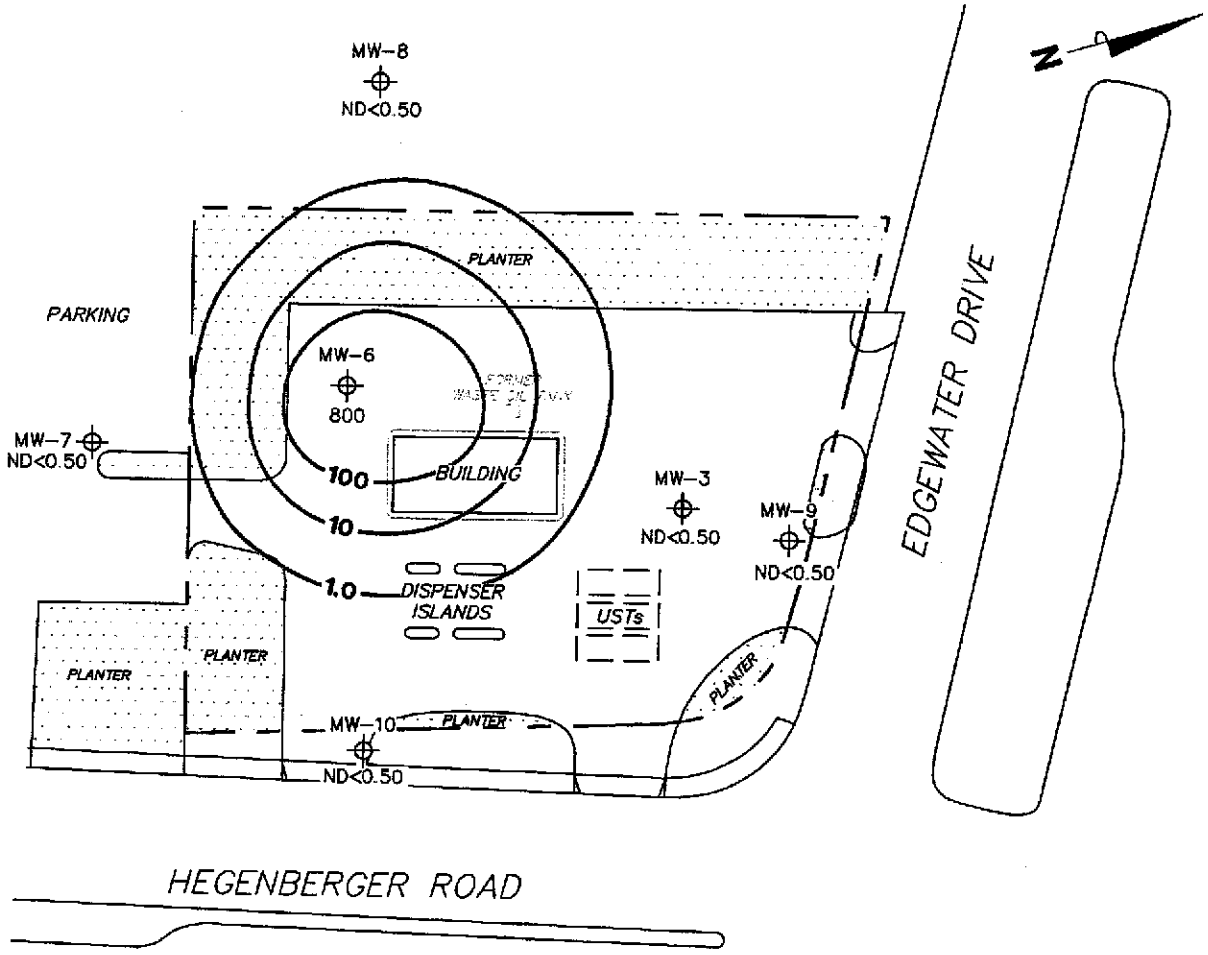
TRC

SCALE (FEET)
0 60

FIGURE 3

PS=1:1 5043-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5043+\5043QMS.DWG Jul 11, 2005 - 2:16pm lwinters



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

—100— Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
June 15, 2005

76 Station 5043
449 Hegenberger Road
Oakland, California

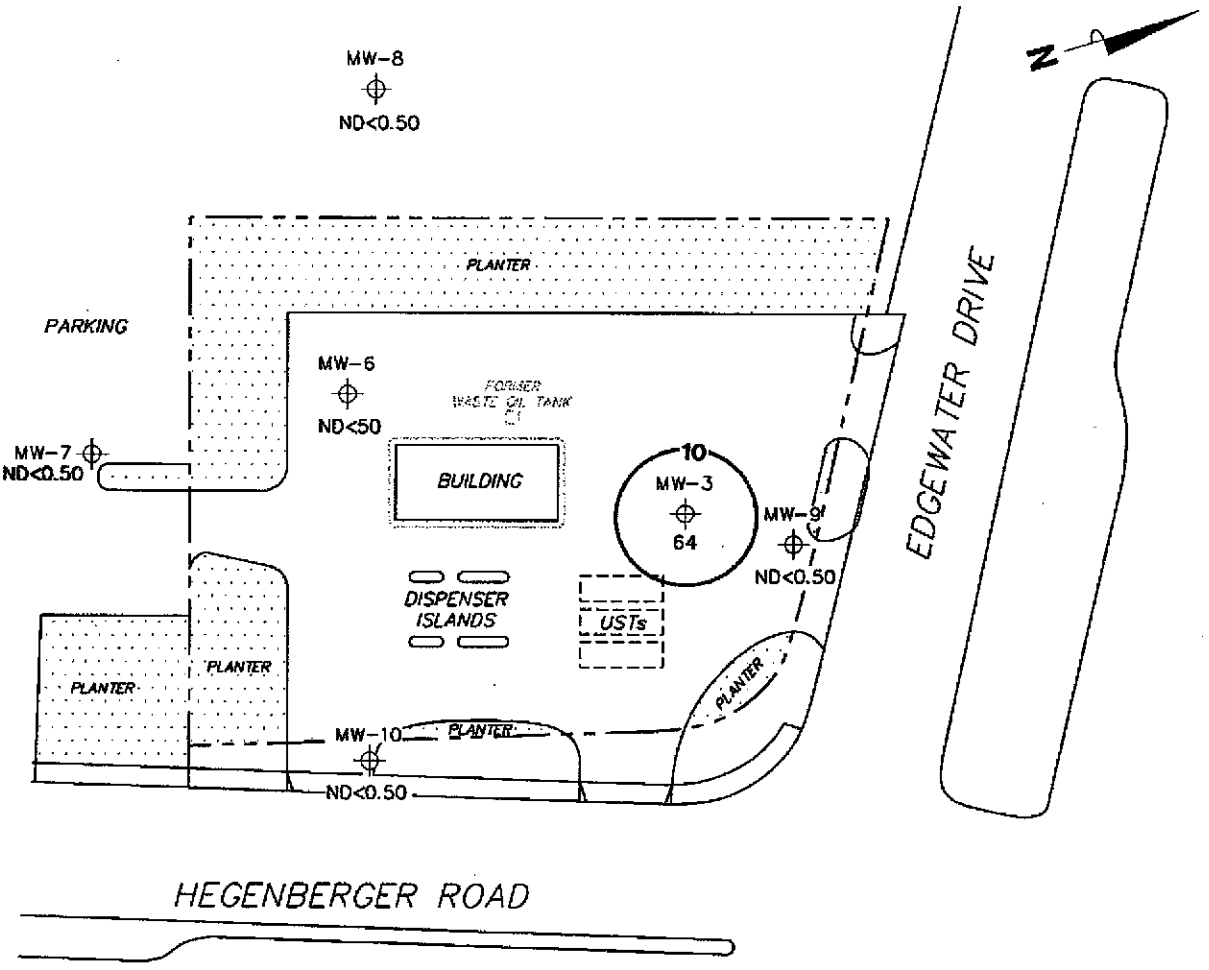
TRC

SCALE (FEET)
0 60

FIGURE 4

PS=1:1 5043-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5043+\5043QMS.DWG Jul 11, 2005 - 3:52pm rhughes



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

10 Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
January 10, 2005

76 Station 5043
449 Hegenberger Road
Oakland, California

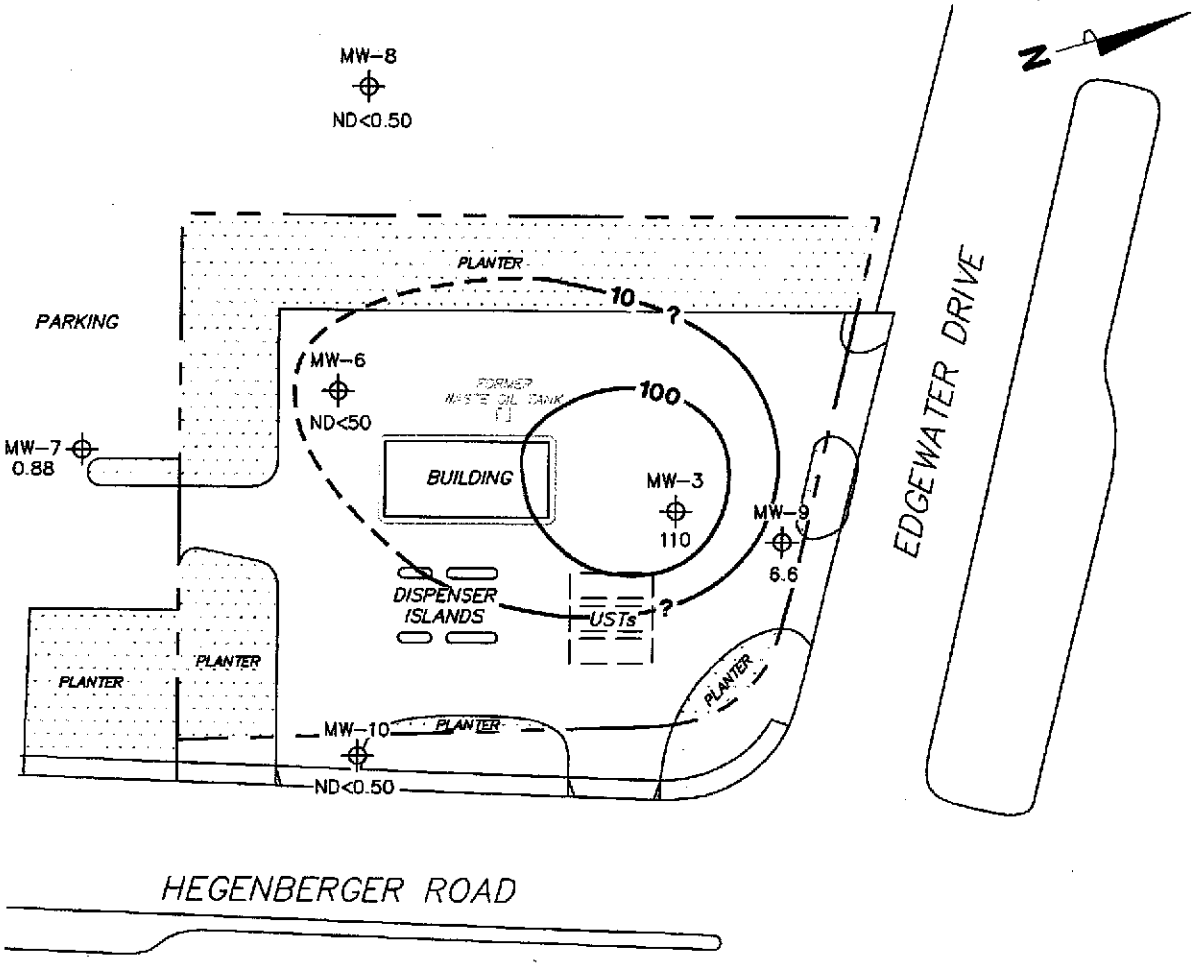
TRC

SCALE (FEET)
0 60

FIGURE 5

PS=t:1 5043-003

Graphics on Ir1(t:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-5000\5043+\5043qms.dwg 2/9/05 rbs



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
MTBE = methyl tertiary butyl ether.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank. Dashes indicate contour based on non-detect at elevated detection limit. Results obtained using EPA Method 8260B.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

—100— Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
June 15, 2005

76 Station 5043
449 Hegenberger Road
Oakland, California

TRC

SCALE (FEET)
0 60

FIGURE 5

PS=1:1 5043-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5043+\5043QMS.DWG Jul 11, 2005 - 3:53pm rhughes

TRC

Customer-Focused Solutions

July 21, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MRS. SHELBY LATHROP

SITE: 76 STATION 5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2005

Dear Mrs. Lathrop:

Please find enclosed our Quarterly Monitoring Report for 76 Station 5043, located at 449 Hegenberger Road, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Roger Batra, TRC (3 copies)

Enclosures
20-0400/5043R07.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

TRC

Customer-Focused Solutions

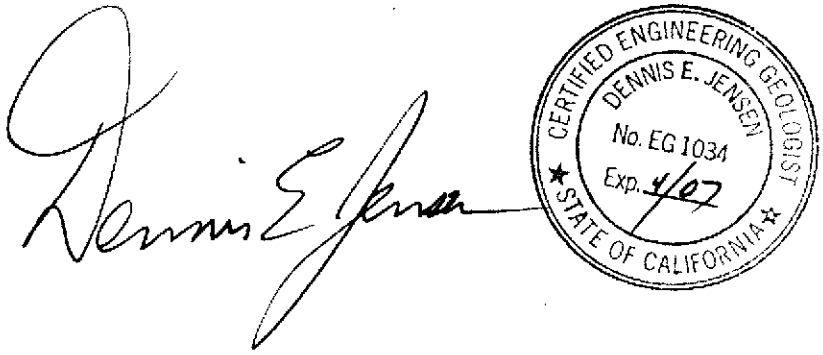
QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2005

76 STATION 5043
449 Hegenberger Road
Oakland, California

Prepared For:

Ms. Shelby Lathrop
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations
July 20, 2005

21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Contour Map Figure 4: Dissolved-Phase Benzene Contour Map Figure 5: Dissolved-Phase MTBE Contour Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
April 2005 through June 2005
76 Station 5043
449 Hegenberger Road
Oakland, CA

Project Coordinator: **Shelby Lathrop**
Telephone: **916-558-7609**
Water Sampling Contractor: ***TRC***
Compiled by: **Tim Simpkins**
Date(s) of Gauging/Sampling Event: **06/15/05**

Sample Points

Groundwater wells: **3** onsite, **3** offsite Wells gauged: **6** Wells sampled: **6**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **1.7 feet** Maximum: **4.63 feet**
Average groundwater elevation (relative to available local datum): **5.79 feet**
Average change in groundwater elevation since previous event: **-0.85 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.02 ft/ft, southeast**
Previous event: **0.01 ft/ft, south (01/10/05)**

Selected Laboratory Results

Wells with detected **Benzene:** **1** Wells above MCL (1.0 µg/l): **1**
Maximum reported benzene concentration: **800 µg/l (MW-6)**

Wells with **TPPH 8260B** **2** Maximum: **130,000 µg/l (MW-6)**
Wells with **MTBE** **3** Maximum: **110 µg/l (MW-3)**

Notes:

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

TABLES

TABLE KEY

STANDARD ABREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to re-survey.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5043 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 15, 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3		**(Screen Interval in feet: 2.5-14.0)**												
06/15/05	8.04	2.00	0.00	6.04	-0.48	--	460	ND<0.50	0.70	0.56	1.9	--	110	
MW-6		**(Screen Interval in feet: 2.5-13.5)**												
06/15/05	8.87	2.47	0.00	6.40	-0.12	--	130000	800	1800	2200	9300	--	ND<50	
MW-7		**(Screen Interval in feet: 3.0-13.0)**												
06/15/05	8.83	3.40	0.00	5.43	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.88	
MW-8		**(Screen Interval in feet: 3.0-15.0)**												
06/15/05	8.52	2.22	0.00	6.30	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-9		**(Screen Interval in feet: 3.0-13.0)**												
06/15/05	8.29	1.70	0.00	6.59	-1.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.6	
MW-10		**(Screen Interval in feet: 3.0-13.0)**												
06/15/05	8.62	4.63	0.00	3.99	-1.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1	**(Screen Interval in feet: DNA)**													
02/18/92	--	--	--	--	--	150000	--	17000	26000	5200	26000	--	--	
05/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/31/92	--	--	--	--	--	64000	--	13000	12000	2500	22000	--	--	
11/30/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/04/93	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/04/93	8.96	2.13	0.10	6.90	--	--	--	--	--	--	--	--	--	Not sampled - presence of free product
08/04/93	8.96	2.92	0.03	6.06	-0.84	--	--	--	--	--	--	--	--	Not sampled - presence of free product
11/03/93	7.38	3.04	0.00	4.34	-1.72	--	--	--	--	--	--	--	--	Not sampled - presence of free product
02/07/94	7.38	2.55	0.03	4.85	0.51	--	--	--	--	--	--	--	--	Not sampled - presence of free product
05/19/94	7.38	2.23	0.01	5.16	0.31	--	--	--	--	--	--	--	--	Not sampled - presence of free product
06/25/94	7.38	2.49	0.01	4.90	-0.26	--	--	--	--	--	--	--	--	Not sampled - presence of free product
07/27/94	7.38	3.10	0.00	4.28	-0.62	--	--	--	--	--	--	--	--	
08/15/94	7.38	2.85	0.11	4.61	0.33	--	--	--	--	--	--	--	--	Not sampled - presence of free product
11/14/94	7.38	2.97	0.12	4.50	-0.11	--	--	--	--	--	--	--	--	Not sampled - presence of free product
02/21/95	7.38	1.53	0.02	5.87	1.37	--	--	--	--	--	--	--	--	Not sampled - presence of free product
05/18/95	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-2	**(Screen Interval in feet: DNA)**													
02/18/92	--	--	--	--	--	29000	--	1000	5300	260	7900	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
05/20/92	--	--	--	--	--	24000	--	2200	7600	630	11000	--	--	
08/31/92	--	--	--	--	--	9000	--	1800	640	140	2000	--	--	
11/30/92	--	--	--	--	--	29000	--	2000	3400	1200	6900	--	--	
02/04/93	--	--	--	--	--	18000	--	1600	3000	ND	6900	--	--	
05/04/93	8.96	2.48	0.00	6.48	--	63000	--	3200	17000	470	17000	--	--	
08/04/93	8.96	3.20	0.00	5.76	-0.72	45000	--	2100	6600	1400	12000	--	--	
11/03/93	8.58	3.37	0.00	5.21	-0.55	72000	--	3700	16000	3700	20000	--	--	
02/07/94	8.58	2.40	0.00	6.18	0.97	--	--	--	--	--	--	--	--	Not sampled - presence of free product
05/19/94	8.58	2.13	0.00	6.45	0.27	42000	--	2500	1300	2300	13000	--	--	
06/25/94	8.58	2.65	0.00	5.93	-0.52	--	--	--	--	--	--	--	--	
07/27/94	8.58	3.44	0.00	5.14	-0.79	--	--	--	--	--	--	--	--	
08/15/94	8.58	3.25	0.00	5.33	0.19	35000	--	2400	850	1700	15000	--	--	
11/14/94	8.58	2.13	0.00	6.45	1.12	43000	--	2200	6500	1800	14000	--	--	
02/21/95	8.58	1.65	0.00	6.93	0.48	44000	--	2200	3200	1300	1500	--	--	
05/18/95	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-3	**(Screen Interval in feet: 2.5-14.0)**													
02/18/92	--	--	--	--	--	230	--	4.8	22	1.8	33	--	--	
05/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
08/31/92	--	--	--	--	--	210	--	1	ND	ND	ND	--	--	
11/30/92	--	--	--	--	--	790	--	ND	ND	ND	ND	--	--	
02/04/93	--	--	--	--	--	3300	--	320	ND	96	6.1	--	--	
05/04/93	7.84	4.32	0.00	3.52	--	1800	--	95	ND	ND	ND	--	--	
08/04/93	7.84	4.94	0.00	2.90	-0.62	210	--	ND	ND	ND	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
11/03/93	7.42	4.53	0.00	2.89	-0.01	640	--	ND	ND	ND	ND	--	--	
02/07/94	7.42	2.40	0.00	5.02	2.13	2700	--	110	ND	17	ND	--	--	
05/19/94	7.42	3.60	0.00	3.82	-1.20	1800	--	83	ND	6.2	9.1	--	--	
06/25/94	7.42	4.58	0.00	2.84	-0.98	--	--	--	--	--	--	--	--	
07/27/94	7.42	4.58	0.00	2.84	0.00	--	--	--	--	--	--	--	--	
08/15/94	7.42	4.65	0.00	2.77	-0.07	130	--	1.1	0.54	ND	0.97	--	--	
11/14/94	7.42	3.18	0.00	4.24	1.47	1600	--	ND	ND	ND	ND	--	--	
02/21/95	7.42	1.81	0.00	5.61	1.37	3800	--	350	ND	130	22	--	--	
05/18/95	7.42	4.56	0.00	2.86	-2.75	1300	--	42	ND	ND	ND	--	--	
08/17/95	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
07/26/96	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
10/28/96	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed at 0.55 feet
01/29/97	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
04/15/97	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
05/27/97	7.42	3.45	0.00	3.97	--	670	--	6.5	ND	ND	ND	250	--	
06/01/97	7.42	3.50	0.00	3.92	-0.05	--	--	--	--	--	--	--	--	
07/15/97	8.04	3.71	0.00	4.33	0.41	240	--	ND	ND	ND	ND	490	--	
10/09/97	8.04	3.70	0.00	4.34	0.01	270	--	1.1	ND	2.4	1.4	910	--	
01/14/98	8.04	2.16	0.00	5.88	1.54	310	--	ND	ND	0.62	0.65	140	--	
04/01/98	8.04	2.20	0.00	5.84	-0.04	370	--	5.7	ND	ND	ND	93	--	
07/15/98	8.04	3.38	0.00	4.66	-1.18	460	--	ND	ND	ND	ND	230	--	
10/16/98	8.04	2.30	0.00	5.74	1.08	330	--	4.7	ND	ND	ND	60	--	
01/25/99	8.04	2.42	0.00	5.62	-0.12	420	--	1.5	ND	ND	ND	180	--	
04/15/99	8.04	2.16	0.00	5.88	-0.26	290	--	0.54	ND	ND	ND	160	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through June 2005
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
07/14/99	8.04	2.35	0.00	5.69	-0.19	290	--	3.2	ND	ND	ND	160	--	
10/21/99	8.04	2.49	0.00	5.55	-0.14	360	--	0.77	ND	ND	ND	82	--	
01/20/00	8.04	2.38	0.00	5.66	0.11	ND	--	0.81	ND	ND	ND	54	--	
04/13/00	8.04	2.76	0.00	5.28	-0.38	250	--	0.69	ND	ND	ND	91	150	
07/14/00	8.04	3.26	0.00	4.78	-0.50	345	--	ND	ND	ND	ND	94.7	--	
10/26/00	8.04	3.12	0.00	4.92	0.14	480	--	6.0	ND	ND	ND	120	--	
01/03/01	8.04	3.65	0.00	4.39	-0.53	364	--	1.59	ND	ND	ND	118	--	
04/04/01	8.04	3.98	0.00	4.06	-0.33	417	--	1.24	ND	ND	0.802	237	--	
07/17/01	8.04	3.12	0.00	4.92	0.86	480	--	ND	ND	ND	ND	150	--	
10/01/01	8.04	3.25	0.00	4.79	-0.13	310	--	1.0	ND<0.50	ND<0.50	ND<0.50	53	--	
01/31/02	8.04	2.27	0.00	5.77	0.98	250	--	3.5	ND<1.0	ND<1.0	ND<1.0	110	--	
04/18/02	8.04	3.55	0.00	4.49	-1.28	300	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	59	
07/28/02	8.04	2.55	0.00	5.49	1.00	--	500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130	
10/09/02	8.04	2.47	0.00	5.57	0.08	--	690	ND<5	ND<5	ND<5	ND<10	--	120	
01/02/03	8.04	1.70	0.00	6.34	0.77	--	310	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	110	
04/01/03	8.04	3.48	0.00	4.56	-1.78	--	250	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	210	
07/01/03	8.04	2.65	0.00	5.39	0.83	--	450	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	70	
10/02/03	8.04	3.12	0.00	4.92	-0.47	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	210	
01/09/04	8.04	2.39	0.00	5.65	0.73	--	300	ND<0.50	0.53	0.53	1.5	--	66	
04/26/04	8.04	3.11	0.00	4.93	-0.72	--	440	2.5	5.5	2.9	9.4	--	81	
07/22/04	8.04	2.51	0.00	5.53	0.60	--	420	ND<0.5	ND<0.5	ND<0.5	ND<1	--	72	
10/29/04	8.04	2.00	0.00	6.04	0.51	--	460	5.6	15	10	46	--	48	
01/10/05	8.04	1.52	0.00	6.52	0.48	--	280	ND<0.50	0.62	ND<0.50	2.4	--	64	
06/15/05	8.04	2.00	0.00	6.04	-0.48	--	460	ND<0.50	0.70	0.56	1.9	--	110	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4	**(Screen Interval in feet: DNA)**													
08/31/92	--	--	--	--	--	240	--	ND	ND	ND	0.54	--	--	
11/30/92	--	--	--	--	--	420	--	ND	ND	ND	ND	--	--	
02/04/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/04/93	9.00	4.09	0.00	4.91	--	110	--	0.95	ND	ND	ND	--	--	
08/04/93	9.00	5.01	0.00	3.99	-0.92	250	--	ND	3.5	ND	4.1	--	--	
11/03/93	8.41	4.23	0.00	4.18	0.19	130	--	ND	ND	ND	ND	--	--	
02/07/94	8.41	3.35	0.00	5.06	0.88	56	--	ND	ND	ND	ND	--	--	
05/19/94	8.41	3.92	0.00	4.49	-0.57	140	--	ND	ND	ND	ND	--	--	
06/25/94	8.41	4.35	0.00	4.06	-0.43	--	--	--	--	--	--	--	--	
07/27/94	8.41	4.28	0.00	4.13	0.07	--	--	--	--	--	--	--	--	
08/15/94	8.41	4.27	0.00	4.14	0.01	59	--	ND	0.6	ND	ND	--	--	
11/14/94	8.41	4.05	0.00	4.36	0.22	130	--	ND	ND	ND	ND	--	--	
02/21/95	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-5	**(Screen Interval in feet: DNA)**													
08/31/92	--	--	--	--	--	78	--	0.89	ND	ND	13	--	--	
11/30/92	--	--	--	--	--	930	--	70	290	0.79	14	--	--	
02/04/93	--	--	--	--	--	5700	--	38	ND	620	170	--	--	
05/04/93	8.95	4.37	0.00	4.58	--	7400	--	41	ND	1000	35	--	--	
08/04/93	8.95	5.81	0.00	3.14	-1.44	1500	--	130	1	460	11	--	--	
11/03/93	8.95	5.68	0.00	3.27	0.13	13000	--	350	ND	3500	530	--	--	
02/07/94	8.95	5.11	0.00	3.84	0.57	2000	--	87	ND	370	110	--	--	
05/19/94	8.95	5.09	0.00	3.86	0.02	260	--	44	ND	32	4.1	--	--	
06/25/94	8.95	4.55	0.00	4.40	0.54	--	--	--	--	--	--	--	--	
07/27/94	8.95	5.72	0.00	3.23	-1.17	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
08/15/94	8.95	5.68	0.00	3.27	0.04	1600	--	110	ND	340	72	--	--	
11/14/94	8.95	5.63	0.00	3.32	0.05	250	--	40	ND	ND	5	--	--	
02/21/95	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-6	**(Screen Interval in feet: 2.5-13.5)**													
08/31/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/30/92	--	--	--	--	--	9200	--	550	ND	740	1600	--	--	
02/04/93	--	--	--	--	--	3600	--	340	ND	290	550	--	--	
05/04/93	9.12	3.72	0.00	5.40	--	4900	--	360	18	450	430	--	--	
08/04/93	9.12	5.15	0.00	3.97	-1.43	3400	--	390	ND	440	190	--	--	
11/03/93	8.87	5.25	0.00	3.62	-0.35	1400	--	320	ND	200	7.7	--	--	
02/07/94	8.87	4.55	0.00	4.32	0.70	4900	--	650	ND	250	35	--	--	
05/19/94	8.87	4.62	0.00	4.25	-0.07	3600	--	300	1.7	210	41	--	--	
08/15/94	8.87	5.08	0.00	3.79	-0.46	1300	--	130	6.7	54	57	--	--	
11/14/94	8.87	5.30	0.00	3.57	-0.22	730	--	50	ND	ND	39	--	--	
02/21/95	8.87	5.37	0.00	3.50	-0.07	2000	--	250	4.6	25	30	--	--	
05/18/95	8.87	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
08/17/95	8.87	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
07/26/96	8.87	6.40	3.33	4.97	--	--	--	--	--	--	--	--	--	Not sampled - presence of free product
10/28/96	8.87	4.10	0.21	4.93	-0.04	--	--	--	--	--	--	--	--	Not sampled - presence of free product
11/13/96	8.87	4.02	0.25	5.04	0.11	--	--	--	--	--	--	--	--	
11/25/96	8.87	4.01	0.75	5.42	0.38	--	--	--	--	--	--	--	--	
12/04/96	8.87	3.65	0.50	5.59	0.17	--	--	--	--	--	--	--	--	
12/19/96	8.87	4.80	2.20	5.72	0.13	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
01/08/97	8.87	4.84	1.75	5.34	-0.38	--	--	--	--	--	--	--	--	
01/14/97	8.87	4.51	1.15	5.22	-0.12	--	--	--	--	--	--	--	--	
01/27/97	8.87	4.00	1.75	6.18	0.96	--	--	--	--	--	--	--	--	
01/29/97	8.87	3.24	0.31	5.86	-0.32	--	--	--	--	--	--	--	--	Not sampled - presence of free product
02/11/97	8.87	4.65	1.20	5.12	-0.74	--	--	--	--	--	--	--	--	
02/24/97	8.87	4.81	1.10	4.89	-0.23	--	--	--	--	--	--	--	--	
03/10/97	8.87	4.60	0.95	4.98	0.10	--	--	--	--	--	--	--	--	
03/17/97	8.87	4.50	0.89	5.04	0.05	--	--	--	--	--	--	--	--	
03/31/97	8.87	4.65	1.00	4.97	-0.07	--	--	--	--	--	--	--	--	
04/15/97	8.87	4.90	1.03	4.74	-0.23	--	--	--	--	--	--	--	--	Not sampled - presence of free product
04/28/97	8.87	4.78	0.03	4.11	-0.63	--	--	--	--	--	--	--	--	
05/15/97	8.87	4.60	0.25	4.46	0.35	--	--	--	--	--	--	--	--	
05/27/97	8.87	4.50	0.25	4.56	0.10	--	--	--	--	--	--	--	--	
06/09/97	8.87	4.60	0.20	4.42	-0.14	--	--	--	--	--	--	--	--	
06/24/97	8.87	4.50	0.25	4.56	0.14	--	--	--	--	--	--	--	--	
07/09/97	8.87	4.80	0.60	4.52	-0.04	--	--	--	--	--	--	--	--	
07/15/97	8.87	4.63	0.42	4.55	0.04	--	--	--	--	--	--	--	--	Not sampled - presence of free product
07/21/97	8.87	4.75	0.25	4.31	-0.25	--	--	--	--	--	--	--	--	
08/06/97	8.87	4.50	0.10	4.44	0.14	--	--	--	--	--	--	--	--	
08/20/97	8.87	4.55	0.10	4.39	-0.05	--	--	--	--	--	--	--	--	
09/02/97	8.87	4.75	0.05	4.16	-0.24	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
10/09/97	8.87	4.84	0.04	4.06	-0.10	--	--	--	--	--	--	--	--	Not sampled - presence of free product
01/14/98	8.87	3.90	0.94	5.67	1.61	--	--	--	--	--	--	--	--	Not sampled - presence of free product
02/12/98	8.87	3.35	0.64	6.00	0.33	--	--	--	--	--	--	--	--	
03/03/98	8.87	4.51	0.02	4.37	-1.63	--	--	--	--	--	--	--	--	
04/01/98	8.87	3.67	1.60	6.40	2.03	--	--	--	--	--	--	--	--	Not sampled - presence of free product
05/26/98	8.87	4.11	0.50	5.13	-1.26	--	--	--	--	--	--	--	--	
06/15/98	8.87	5.03	0.30	4.06	-1.07	--	--	--	--	--	--	--	--	
07/15/98	8.87	4.56	0.05	4.35	0.28	--	--	--	--	--	--	--	--	Not sampled - presence of free product
08/21/98	8.87	4.77	0.02	4.11	-0.23	--	--	--	--	--	--	--	--	
09/30/98	8.87	5.08	0.03	3.81	-0.30	--	--	--	--	--	--	--	--	
10/16/98	8.87	4.31	2.40	6.36	2.55	--	--	--	--	--	--	--	--	Not sampled - presence of free product
11/06/98	8.87	3.98	0.17	5.02	-1.34	--	--	--	--	--	--	--	--	
11/25/98	8.87	3.92	0.10	5.02	0.01	--	--	--	--	--	--	--	--	
12/28/98	8.87	3.90	0.20	5.12	0.10	--	--	--	--	--	--	--	--	
01/25/99	8.87	4.18	0.60	5.14	0.02	--	--	--	--	--	--	--	--	Not sampled - presence of free product
02/22/99	8.87	4.07	0.22	4.96	-0.18	--	--	--	--	--	--	--	--	
03/22/99	8.87	4.32	0.15	4.66	-0.30	--	--	--	--	--	--	--	--	
04/15/99	8.87	4.23	0.95	5.35	0.69	--	--	--	--	--	--	--	--	Not sampled - presence of free product
05/28/99	8.87	4.38	0.39	4.78	-0.57	--	--	--	--	--	--	--	--	
06/29/99	8.87	4.12	0.02	4.76	-0.02	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
07/14/99	8.87	4.20	0.03	4.69	-0.07	--	--	--	--	--	--	--	--	Not sampled - presence of free product
08/23/99	8.87	4.51	0.24	4.54	-0.15	--	--	--	--	--	--	--	--	
09/30/99	8.87	4.17	0.17	4.83	0.29	--	--	--	--	--	--	--	--	
10/21/99	8.87	4.27	0.12	4.69	-0.14	--	--	--	--	--	--	--	--	Not sampled - presence of free product
11/29/99	8.87	4.18	0.00	4.69	0.00	--	--	--	--	--	--	--	--	
12/20/99	8.87	4.26	0.01	4.62	-0.07	--	--	--	--	--	--	--	--	
01/20/00	8.87	4.31	0.00	4.56	-0.06	130000	--	2900	8600	2000	16000	ND	--	
02/26/00	8.87	3.98	0.00	4.89	0.33	--	--	--	--	--	--	--	--	
03/31/00	8.87	4.14	0.00	4.73	-0.16	--	--	--	--	--	--	--	--	
04/13/00	8.87	4.04	0.00	4.83	0.10	140000	--	5000	14000	3600	27000	7700	--	
05/26/00	8.87	4.41	0.00	4.46	-0.37	--	--	--	--	--	--	--	--	
06/17/00	8.87	4.35	0.00	4.52	0.06	--	--	--	--	--	--	--	--	
07/14/00	8.87	4.47	0.00	4.40	-0.12	259000	--	7670	13700	6860	40700	ND	ND	
08/24/00	8.87	3.71	0.00	5.16	0.76	--	--	--	--	--	--	--	--	
09/27/00	8.87	4.33	0.00	4.54	-0.62	--	--	--	--	--	--	--	--	
10/26/00	8.87	4.32	0.00	4.55	0.01	110000	--	7000	6200	3700	12000	670	43	
01/03/01	8.87	4.52	0.00	4.35	-0.20	84700	--	3950	4130	3650	11800	ND	ND	
04/04/01	8.87	4.29	0.00	4.58	0.23	69800	--	2060	2840	3650	10900	ND	47.8	
07/17/01	8.87	4.37	0.00	4.50	-0.08	100000	--	3200	3300	3400	12000	ND	--	
10/01/01	8.87	4.45	0.00	4.42	-0.08	110000	--	3200	2400	4500	13000	ND<1000	--	
01/31/02	8.87	4.03	0.00	4.84	0.42	230000	--	2400	1800	5400	16000	ND<2500	--	
04/18/02	8.87	3.45	0.00	5.42	0.58	94000	--	6800	13000	3000	19000	ND<500	--	
07/28/02	8.87	2.24	0.00	6.63	1.21	--	110000	530	170	3200	7300	--	ND<100	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
10/09/02	8.87	3.53	0.00	5.34	-1.29	--	970000	10000	39000	13000	94000	--	ND<2000	
01/02/03	8.87	2.34	0.00	6.53	1.19	--	270000	6100	15000	5400	37000	--	ND<200	
04/01/03	8.87	3.17	0.00	5.70	-0.83	--	3000000	8000	39000	37000	260000	--	ND<2000	
07/01/03	8.87	3.55	0.00	5.32	-0.38	--	38000	2100	990	2700	6500	--	ND<100	
10/02/03	8.87	3.82	0.00	5.05	-0.27	--	100000	5600	6900	4700	18000	--	ND<800	
01/09/04	8.87	2.80	0.00	6.07	1.02	--	170000	2800	3300	4700	16000	--	ND<200	
04/26/04	8.87	3.40	0.00	5.47	-0.60	--	97000	5900	9000	5100	23000	--	ND<50	
07/22/04	8.87	3.54	0.00	5.33	-0.14	--	110000	4100	5100	4000	16000	--	ND<200	
10/29/04	8.87	3.03	0.00	5.84	0.51	--	100000	5200	6100	4200	15000	--	ND<50	
01/10/05	8.87	2.35	0.00	6.52	0.68	--	71000	1600	3700	2100	9900	--	ND<50	
06/15/05	8.87	2.47	0.00	6.40	-0.12	--	130000	800	1800	2200	9300	--	ND<50	
MW-7	**(Screen Interval in feet: 3.0-13.0)**													
05/27/97	8.83	4.50	0.00	4.33	--	68	--	ND	ND	ND	ND	ND	--	
06/01/97	8.83	4.54	0.00	4.29	-0.04	--	--	--	--	--	--	--	--	
07/15/97	8.83	4.70	0.00	4.13	-0.16	ND	--	ND	ND	ND	ND	ND	--	
10/09/97	8.83	4.30	0.00	4.53	0.40	ND	--	ND	ND	ND	ND	ND	--	
01/14/98	8.83	2.88	0.00	5.95	1.42	ND	--	ND	ND	ND	ND	36	--	
04/01/98	8.83	3.13	0.00	5.70	-0.25	ND	--	ND	ND	ND	ND	ND	--	
07/15/98	8.83	4.45	0.00	4.38	-1.32	ND	--	ND	ND	ND	ND	ND	--	
10/16/98	8.83	3.45	0.00	5.38	1.00	ND	--	ND	ND	ND	ND	ND	--	
01/25/99	8.83	3.22	0.00	5.61	0.23	ND	--	ND	ND	ND	ND	ND	--	
04/15/99	8.83	3.11	0.00	5.72	0.11	ND	--	ND	ND	ND	ND	ND	--	
07/14/99	8.83	3.34	0.00	5.49	-0.23	ND	--	ND	ND	ND	ND	ND	--	
10/21/99	8.83	3.43	0.00	5.40	-0.09	ND	--	ND	ND	ND	ND	ND	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 1992 Through June 2005
76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
01/20/00	8.83	3.29	0.00	5.54	0.14	ND	--	ND	ND	ND	ND	4.2	--	
04/13/00	8.83	3.39	0.00	5.44	-0.10	ND	--	ND	ND	ND	ND	ND	--	
07/14/00	8.83	4.42	0.00	4.41	-1.03	ND	--	ND	ND	ND	ND	7.83	--	
07/17/01	8.83	5.06	0.00	3.77	-0.64	ND	--	ND	ND	ND	ND	ND	--	
10/01/01	8.83	4.98	0.00	3.85	0.08	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
01/31/02	8.83	3.88	0.00	4.95	1.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
04/18/02	8.83	4.03	0.00	4.80	-0.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.7	--	
07/28/02	8.83	3.59	0.00	5.24	0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.9	
10/09/02	8.83	4.53	0.00	4.30	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.9	
01/03/03	8.83	3.36	0.00	5.47	1.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/01/03	8.83	3.94	0.00	4.89	-0.58	--	71	ND<0.50	ND<0.50	0.71	ND<1.0	--	3.4	
07/01/03	8.83	4.60	0.00	4.23	-0.66	--	64	ND<0.50	ND<0.50	0.77	2.0	--	35	
10/02/03	8.83	5.46	0.00	3.37	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.9	
01/09/04	8.83	3.55	0.00	5.28	1.91	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.4	
04/26/04	8.83	4.49	0.00	4.34	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.5	--	2.3	
07/22/04	8.83	4.93	0.00	3.90	-0.44	--	82	0.90	2.0	3.5	9.9	--	1.4	
10/29/04	8.83	3.71	0.00	5.12	1.22	--	210	0.67	1.6	1.7	5.8	--	ND<0.50	
01/10/05	8.83	2.77	0.00	6.06	0.94	--	74	0.51	2.2	1.7	7.0	--	ND<0.50	
06/15/05	8.83	3.40	0.00	5.43	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.88	
MW-8	**(Screen Interval in feet: 3.0-15.0)**													
05/27/97	8.52	3.42	0.00	5.10	--	310	--	0.88	0.67	15	70	ND	--	
06/01/97	8.52	3.46	0.00	5.06	-0.04	--	--	--	--	--	--	--	--	
07/15/97	8.52	3.49	0.00	5.03	-0.03	ND	--	ND	ND	2.7	3.8	ND	--	
10/09/97	8.52	3.73	0.00	4.79	-0.24	590	--	1.4	ND	32	4.1	ND	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-8 continued														
01/14/98	8.52	1.92	0.00	6.60	1.81	ND	--	ND	ND	ND	ND	ND	--	
04/01/98	8.52	2.38	0.00	6.14	-0.46	ND	--	ND	ND	ND	ND	4.7	--	
07/15/98	8.52	3.53	0.00	4.99	-1.15	ND	--	ND	ND	0.56	1.1	ND	--	
10/16/98	8.52	3.04	0.00	5.48	0.49	ND	--	ND	ND	ND	ND	ND	--	
01/25/99	8.52	2.92	0.00	5.60	0.12	ND	--	ND	ND	ND	ND	ND	--	
04/15/99	8.52	2.40	0.00	6.12	0.52	ND	--	ND	ND	ND	ND	ND	--	
07/14/99	8.52	3.03	0.00	5.49	-0.63	ND	--	ND	ND	ND	ND	ND	--	
10/21/99	8.52	3.11	0.00	5.41	-0.08	ND	--	ND	ND	ND	ND	ND	--	
01/20/00	8.52	3.06	0.00	5.46	0.05	ND	--	ND	ND	ND	ND	ND	--	
04/13/00	8.52	2.84	0.00	5.68	0.22	ND	--	ND	ND	ND	ND	ND	--	
07/14/00	8.52	3.39	0.00	5.13	-0.55	ND	--	ND	ND	ND	ND	ND	--	
07/17/01	8.52	3.46	0.00	5.06	-0.07	ND	--	ND	ND	ND	ND	ND	--	
10/01/01	8.52	3.51	0.00	5.01	-0.05	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
01/31/02	8.52	2.75	0.00	5.77	0.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
04/18/02	8.52	2.98	0.00	5.54	-0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
07/28/02	8.52	2.41	0.00	6.11	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/09/02	8.52	2.09	0.00	6.43	0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/02/03	8.52	1.98	0.00	6.54	0.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/01/03	8.52	2.66	0.00	5.86	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/01/03	8.52	3.08	0.00	5.44	-0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/02/03	8.52	3.89	0.00	4.63	-0.81	--	540	3.9	15	29	80	--	ND<2.0	
01/09/04	8.52	2.38	0.00	6.14	1.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/26/04	8.52	2.89	0.00	5.63	-0.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/22/04	8.52	3.25	0.00	5.27	-0.36	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<0.5	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-8 continued														
10/29/04	8.52	3.06	0.00	5.46	0.19	--	ND<50	ND<0.50	ND<0.50	0.82	2.5	--	ND<0.50	
01/10/05	8.52	1.92	0.00	6.60	1.14	--	58	ND<0.50	0.61	1.2	4.0	--	ND<0.50	
06/15/05	8.52	2.22	0.00	6.30	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-9	**(Screen Interval in feet: 3.0-13.0)**													
02/21/95	8.29	1.98	0.00	6.31	--	70	--	ND	ND	ND	ND	--	--	
05/18/95	8.29	3.47	0.00	4.82	-1.49	52	--	ND	1.1	ND	1.9	--	--	
08/17/95	8.29	1.49	0.00	6.80	1.98	ND	--	ND	ND	ND	ND	--	--	
07/26/96	8.29	0.28	0.00	8.01	1.21	ND	--	ND	ND	ND	ND	ND	--	
10/28/96	8.29	1.15	0.00	7.14	-0.87	ND	--	ND	ND	ND	ND	7.6	--	
01/29/97	8.29	1.05	0.00	7.24	0.10	ND	--	ND	ND	ND	ND	5.4	--	
04/15/97	8.29	1.88	0.00	6.41	-0.83	ND	--	ND	ND	ND	ND	5.4	--	
05/27/97	8.29	1.05	0.00	7.24	0.83	--	--	--	--	--	--	--	--	
07/15/97	8.29	1.90	0.00	6.39	-0.85	ND	--	ND	ND	ND	ND	ND	--	
10/09/97	8.29	1.76	0.00	6.53	0.14	ND	--	ND	ND	ND	ND	ND	--	
01/14/98	8.29	1.26	0.00	7.03	0.50	ND	--	ND	ND	ND	ND	3.0	--	
04/01/98	8.29	0.85	0.00	7.44	0.41	ND	--	ND	ND	ND	ND	ND	--	
07/15/98	8.29	1.52	0.00	6.77	-0.67	ND	--	ND	ND	ND	ND	ND	--	
10/16/98	8.29	0.81	0.00	7.48	0.71	ND	--	ND	ND	ND	ND	ND	--	
01/25/99	8.29	0.92	0.00	7.37	-0.11	ND	--	ND	ND	ND	ND	ND	--	
04/15/99	8.29	0.90	0.00	7.39	0.02	75	--	21	ND	ND	1.1	680	--	
07/14/99	8.29	1.04	0.00	7.25	-0.14	ND	--	1.9	ND	ND	ND	260	--	
10/21/99	8.29	1.23	0.00	7.06	-0.19	ND	--	ND	ND	ND	ND	170	--	
01/20/00	8.29	1.18	0.00	7.11	0.05	ND	--	1.1	ND	ND	ND	35	--	
04/13/00	8.29	1.08	0.00	7.21	0.10	160	--	0.64	ND	ND	ND	53	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-9 continued														
07/14/00	8.29	1.43	0.00	6.86	-0.35	ND	--	ND	ND	ND	ND	20.2	--	
10/26/00	8.29	1.38	0.00	6.91	0.05	240	--	2.9	ND	ND	ND	56	--	
01/03/01	8.29	1.66	0.00	6.63	-0.28	166	--	0.763	0.776	ND	1.28	50.2	--	
04/04/01	8.29	1.27	0.00	7.02	0.39	296	--	0.738	ND	ND	0.907	135	--	
07/17/01	8.29	1.38	0.00	6.91	-0.11	ND	--	ND	ND	ND	ND	13	--	
10/01/01	8.29	1.93	0.00	6.36	-0.55	51	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.0	--	
01/31/02	8.29	2.08	0.00	6.21	-0.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.8	--	
04/18/02	8.29	1.76	0.00	6.53	0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.1	--	
07/28/02	8.29	1.57	0.00	6.72	0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.5	
10/09/02	8.29	1.45	0.00	6.84	0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	17	
01/02/03	8.29	1.18	0.00	7.11	0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.6	
04/01/03	8.29	2.04	0.00	6.25	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
07/01/03	8.29	2.80	0.00	5.49	-0.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.2	
10/02/03	8.29	2.70	0.00	5.59	0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/09/04	8.29	1.90	0.00	6.39	0.80	--	74	ND<0.50	0.98	2.3	6.2	--	ND<2.0	
04/26/04	8.29	1.62	0.00	6.67	0.28	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.51	
07/22/04	8.29	1.88	0.00	6.41	-0.26	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	0.78	
10/29/04	8.29	1.28	0.00	7.01	0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.0	--	ND<0.50	
01/10/05	8.29	0.07	0.00	8.22	1.21	--	93	0.60	2.3	2.4	9.0	--	ND<0.50	
06/15/05	8.29	1.70	0.00	6.59	-1.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.6	
MW-10	**(Screen Interval in feet: 3.0-13.0)**													
02/21/95	8.62	4.69	0.00	3.93	--	1500	--	250	26	9.1	160	--	--	
05/18/95	8.62	4.92	0.00	3.70	-0.23	810	--	520	ND	18	23	--	--	
08/17/95	8.62	4.05	0.00	4.57	0.87	67	--	25	ND	2.4	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-10 continued														
07/26/96	8.62	4.08	0.00	4.54	-0.03	ND	--	3.7	ND	ND	ND	ND	--	
10/28/96	8.62	4.09	0.00	4.53	-0.01	ND	--	1.1	ND	ND	ND	ND	--	
01/29/97	8.62	2.94	0.00	5.68	1.15	210	--	41	0.67	7.2	4.8	11	--	
04/15/97	8.62	4.07	0.00	4.55	-1.13	110	--	12	ND	0.77	ND	9.7	--	
05/27/97	8.62	4.40	0.00	4.22	-0.33	--	--	--	--	--	--	--	--	
07/15/97	8.62	4.19	0.00	4.43	0.21	ND	--	2.1	ND	0.67	0.73	ND	--	
10/09/97	8.62	4.75	0.00	3.87	-0.56	190	--	38	0.92	6.6	7.6	ND	--	
01/14/98	8.62	2.66	0.00	5.96	2.09	59	--	9.5	0.85	1.2	1.7	4.5	--	
04/01/98	8.62	3.45	0.00	5.17	-0.79	230	--	66	1.7	12	17	6.4	--	
07/15/98	8.62	4.21	0.00	4.41	-0.76	290	--	98	45	21	38	21	--	
10/16/98	8.62	4.11	0.00	4.51	0.10	160	--	44	0.96	2.5	10	17	--	
01/25/99	8.62	3.26	0.00	5.36	0.85	140	--	27	ND	2.8	6.8	23	--	
04/15/99	8.62	3.63	0.00	4.99	-0.37	120	--	18	ND	1.8	5.1	14	--	
07/14/99	8.62	3.89	0.00	4.73	-0.26	280	--	55	3.2	11	31	6.1	--	
10/21/99	8.62	4.09	0.00	4.53	-0.20	140	--	22	0.59	1.7	7.7	5.3	--	
01/20/00	8.62	3.92	0.00	4.70	0.17	ND	--	0.73	0.86	ND	ND	5.2	--	
04/13/00	8.62	3.85	0.00	4.77	0.07	67	--	54	ND	2.6	ND	3.8	--	
07/14/00	8.62	4.18	0.00	4.44	-0.33	ND	--	0.547	ND	ND	ND	ND	--	
10/26/00	8.62	3.96	0.00	4.66	0.22	ND	--	3.3	ND	0.83	1.5	ND	--	
01/03/01	8.62	4.14	0.00	4.48	-0.18	52.7	--	5.15	ND	0.823	1.57	ND	--	
04/04/01	8.62	3.88	0.00	4.74	0.26	129	--	28.1	1.67	4.97	10.1	ND	--	
07/17/01	8.62	4.08	0.00	4.54	-0.20	ND	--	4.1	ND	1.0	1.8	ND	--	
10/01/01	8.62	4.22	0.00	4.40	-0.14	140	--	30	0.51	4.0	12	ND<5.0	--	
01/31/02	8.62	3.68	0.00	4.94	0.54	110	--	16	ND<0.50	2.3	5.6	ND<2.5	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1992 Through June 2005

76 Station 5043

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-10 continued														
04/18/02	8.62	4.01	0.00	4.61	-0.33	ND<50	--	11	ND<0.50	1.4	4.5	ND<2.5	--	
07/28/02	8.62	4.11	0.00	4.51	-0.10	--	67	15	ND<0.50	0.94	7.3	--	ND<2.0	
10/09/02	8.62	3.97	0.00	4.65	0.14	--	ND<50	0.67	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/02/03	8.62	3.03	0.00	5.59	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/01/03	8.62	3.83	0.00	4.79	-0.80	--	ND<50	11	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/01/03	8.62	4.13	0.00	4.49	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/02/03	8.62	4.05	0.00	4.57	0.08	--	77	9.9	0.78	2.3	4.9	--	ND<2.0	
01/09/04	8.62	3.40	0.00	5.22	0.65	--	53	1.2	ND<0.50	0.70	1.6	--	ND<2.0	
04/26/04	8.62	3.89	0.00	4.73	-0.49	--	ND<50	2.8	1.3	1.0	2.9	--	ND<0.50	
07/22/04	8.62	3.73	0.00	4.89	0.16	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<0.5	
10/29/04	8.62	3.41	0.00	5.21	0.32	--	100	2.0	1.2	1.1	3.6	--	ND<0.50	
01/10/05	8.62	2.68	0.00	5.94	0.73	--	84	7.8	2.7	2.2	8.9	--	ND<0.50	
06/15/05	8.62	4.63	0.00	3.99	-1.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-1									
02/18/92	13000	--	--	--	--	--	--	--	--
08/31/92	8900	--	--	--	--	--	--	--	--
MW-2									
02/18/92	4300	--	--	--	--	--	--	--	--
05/20/92	4300	--	--	--	--	--	--	--	--
08/31/92	1600	--	--	--	--	--	--	--	--
11/30/92	5700	--	--	--	--	--	--	--	--
02/04/93	6100	--	--	--	--	--	--	--	--
05/04/93	7100	--	--	--	--	--	--	--	--
08/04/93	1800	--	--	--	--	--	--	--	--
11/03/93	2600	--	--	--	--	--	--	--	--
05/19/94	3000	--	--	--	--	--	--	--	--
08/15/94	2800	--	--	--	--	--	--	--	--
11/14/94	10000	--	--	--	--	--	--	--	--
02/21/95	2000	--	--	--	--	--	--	--	--
MW-3									
02/18/92	ND	--	--	--	--	--	--	--	--
08/31/92	92	--	--	--	--	--	--	--	--
11/30/92	94	--	--	--	--	--	--	--	--
02/04/93	550	--	--	--	--	--	--	--	--
05/04/93	250	--	--	--	--	--	--	--	--
08/04/93	100	--	--	--	--	--	--	--	--
11/03/93	160	--	--	--	--	--	--	--	--
02/07/94	620	--	--	--	--	--	--	--	--
05/19/94	480	--	--	--	--	--	--	--	--
08/15/94	110	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-3 continued									
11/14/94	150	--	--	--	--	--	--	--	--
02/21/95	850	--	--	--	--	--	--	--	--
05/18/95	150	--	--	--	--	--	--	--	--
06/01/97	610	--	--	--	--	--	--	--	--
07/15/97	240	--	--	--	--	--	--	--	--
10/09/97	500	--	--	--	--	--	--	--	--
01/14/98	340	--	--	--	--	--	--	--	--
04/01/98	320	--	--	--	--	--	--	--	--
07/15/98	510	--	--	--	--	--	--	--	--
10/16/98	67	--	--	--	--	--	--	--	--
01/25/99	120	--	--	--	--	--	--	--	--
04/15/99	170	--	--	--	--	--	--	--	--
07/14/99	420	--	--	--	--	--	--	--	--
10/21/99	350	--	--	--	--	--	--	--	--
01/20/00	2060	--	--	--	--	--	--	--	--
04/13/00	200	ND	ND	ND	ND	ND	ND	ND	--
07/14/00	423	--	--	--	--	--	--	--	--
10/26/00	330	--	--	--	--	--	--	--	--
01/03/01	287	--	--	--	--	--	--	--	--
04/04/01	360	--	--	--	--	--	--	--	--
07/17/01	270	--	--	--	--	--	--	--	--
10/01/01	270	--	--	--	--	--	--	--	--
01/31/02	250	--	--	--	--	--	--	--	--
04/18/02	320	--	--	--	--	--	--	--	--
07/28/02	310	--	--	--	--	--	--	--	--
10/09/02	700	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-3 continued									
01/02/03	210	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--
04/01/03	200	--	--	--	--	--	--	--	--
07/01/03	380	--	--	--	--	--	--	ND<2500	--
10/02/03	300	--	--	--	--	--	--	ND<2500	--
01/09/04	200	--	--	--	--	--	--	ND<500	--
04/26/04	160	--	--	--	--	--	--	ND<50	--
07/22/04	330	--	--	--	--	--	--	ND<1000	--
10/29/04	200	--	--	--	--	--	--	ND<50	--
01/10/05	250	--	--	--	--	--	--	ND<50	--
06/15/05	360	--	--	--	--	--	--	ND<50	--
MW-4									
08/31/92	90	--	--	--	--	--	--	--	--
11/30/92	61	--	--	--	--	--	--	--	--
02/04/93	ND	--	--	--	--	--	--	--	--
05/04/93	ND	--	--	--	--	--	--	--	--
08/04/93	81	--	--	--	--	--	--	--	--
11/03/93	68	--	--	--	--	--	--	--	--
02/07/94	ND	--	--	--	--	--	--	--	--
05/19/94	90	--	--	--	--	--	--	--	--
08/15/94	72	--	--	--	--	--	--	--	--
11/14/94	ND	--	--	--	--	--	--	--	--
MW-5									
08/31/92	690	--	--	--	--	--	--	--	--
11/30/92	470	--	--	--	--	--	--	--	ND
02/04/93	5500	--	--	--	--	--	--	--	ND
05/04/93	4600	--	--	--	--	--	--	--	ND

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-5 continued									
08/04/93	970	--	--	--	--	--	--	--	ND
11/03/93	2100	--	--	--	--	--	--	--	--
02/07/94	830	--	--	--	--	--	--	--	--
05/19/94	600	--	--	--	--	--	--	--	--
08/15/94	860	--	--	--	--	--	--	--	--
11/14/94	290	--	--	--	--	--	--	--	--
MW-6									
08/31/92	750	--	--	--	--	--	--	--	--
11/30/92	1400	--	--	--	--	--	--	--	--
02/04/93	890	--	--	--	--	--	--	--	--
05/04/93	1800	--	--	--	--	--	--	--	--
08/04/93	1100	--	--	--	--	--	--	--	--
11/03/93	390	--	--	--	--	--	--	--	--
02/07/94	970	--	--	--	--	--	--	--	--
05/19/94	1400	--	--	--	--	--	--	--	--
08/15/94	790	--	--	--	--	--	--	--	--
11/14/94	800	--	--	--	--	--	--	--	--
02/21/95	730	--	--	--	--	--	--	--	--
01/20/00	67600	--	--	--	--	--	--	--	--
04/13/00	8700	--	--	--	--	--	--	--	--
07/14/00	133000	--	--	--	--	--	--	--	--
10/26/00	61000	--	--	--	--	--	--	--	--
01/03/01	929	--	--	--	--	--	--	--	--
04/04/01	18000	ND	ND	ND	ND	ND	ND	ND	--
07/17/01	20000	--	--	--	--	--	--	--	--
10/01/01	24000	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-6 continued									
01/31/02	11000	--	--	--	--	--	--	--	--
04/18/02	3500	--	--	--	--	--	--	--	--
07/28/02	27000	--	--	--	--	--	--	--	--
10/09/02	170000	--	--	--	--	--	--	--	--
01/02/03	66000	--	--	--	--	--	--	--	--
04/01/03	35000	--	--	--	--	--	--	--	--
07/01/03	11000	--	--	--	--	--	--	ND<25000	--
10/02/03	ND<50	--	--	--	--	--	--	ND<200000	--
01/09/04	20000	--	--	--	--	--	--	ND<50000	--
04/26/04	13000	--	--	--	--	--	--	ND<5000	--
07/22/04	33000	--	--	--	--	--	--	ND<300000	--
10/29/04	78000	--	--	--	--	--	--	ND<5000	--
01/10/05	12000	--	--	--	--	--	--	ND<5000	--
06/15/05	16000	--	--	--	--	--	--	ND<5000	--
MW-7									
06/01/97	69	--	--	--	--	--	--	--	--
07/15/97	ND	--	--	--	--	--	--	--	--
10/09/97	190	--	--	--	--	--	--	--	--
01/14/98	65	--	--	--	--	--	--	--	--
04/01/98	ND	--	--	--	--	--	--	--	--
07/15/98	74	--	--	--	--	--	--	--	--
10/16/98	ND	--	--	--	--	--	--	--	--
01/25/99	ND	--	--	--	--	--	--	--	--
04/15/99	ND	--	--	--	--	--	--	--	--
07/14/99	69	--	--	--	--	--	--	--	--
10/21/99	ND	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-7 continued									
01/20/00	ND	--	--	--	--	--	--	--	--
04/13/00	ND	--	--	--	--	--	--	--	--
07/14/00	68.0	--	--	--	--	--	--	--	--
07/17/01	ND	--	--	--	--	--	--	--	--
10/01/01	ND<51	--	--	--	--	--	--	--	--
01/31/02	90	--	--	--	--	--	--	--	--
04/18/02	78	--	--	--	--	--	--	--	--
07/28/02	ND<50	--	--	--	--	--	--	--	--
10/09/02	ND<96	--	--	--	--	--	--	--	--
01/03/03	78	--	--	--	--	--	--	--	--
04/01/03	67	--	--	--	--	--	--	--	--
07/01/03	68	--	--	--	--	--	--	ND<500	--
10/02/03	82	--	--	--	--	--	--	ND<500	--
01/09/04	75	--	--	--	--	--	--	ND<500	--
04/26/04	ND<50	--	--	--	--	--	--	ND<50	--
07/22/04	ND<200	--	--	--	--	--	--	ND<1000	--
10/29/04	54	--	--	--	--	--	--	ND<50	--
01/10/05	ND<50	--	--	--	--	--	--	ND<50	--
06/15/05	ND<50	--	--	--	--	--	--	ND<50	--
MW-8									
06/01/97	320	--	--	--	--	--	--	--	--
07/15/97	ND	--	--	--	--	--	--	--	--
10/09/97	390	--	--	--	--	--	--	--	--
01/14/98	230	--	--	--	--	--	--	--	--
04/01/98	510	--	--	--	--	--	--	--	--
07/15/98	140	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-8 continued									
10/16/98	170	--	--	--	--	--	--	--	--
01/25/99	ND	--	--	--	--	--	--	--	--
04/15/99	91	--	--	--	--	--	--	--	--
07/14/99	120	--	--	--	--	--	--	--	--
10/21/99	110	--	--	--	--	--	--	--	--
01/20/00	583	--	--	--	--	--	--	--	--
04/13/00	80	--	--	--	--	--	--	--	--
07/14/00	113	--	--	--	--	--	--	--	--
07/17/01	ND	--	--	--	--	--	--	--	--
10/01/01	ND<50	--	--	--	--	--	--	--	--
01/31/02	260	--	--	--	--	--	--	--	--
04/18/02	160	--	--	--	--	--	--	--	--
07/28/02	140	--	--	--	--	--	--	--	--
10/09/02	120	--	--	--	--	--	--	--	--
01/02/03	210	--	--	--	--	--	--	--	--
04/01/03	220	--	--	--	--	--	--	--	--
07/01/03	170	--	--	--	--	--	--	ND<500	--
10/02/03	350	--	--	--	--	--	--	ND<500	--
01/09/04	180	--	--	--	--	--	--	ND<500	--
04/26/04	100	--	--	--	--	--	--	ND<50	--
07/22/04	250	--	--	--	--	--	--	ND<1000	--
10/29/04	120	--	--	--	--	--	--	ND<50	--
01/10/05	140	--	--	--	--	--	--	ND<50	--
06/15/05	140	--	--	--	--	--	--	ND<50	--
MW-9									
02/21/95	71	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-9 continued									
05/18/95	ND	--	--	--	--	--	--	--	--
08/17/95	ND	--	--	--	--	--	--	--	--
07/26/96	98	--	--	--	--	--	--	--	--
10/28/96	99	--	--	--	--	--	--	--	--
01/29/97	54	--	--	--	--	--	--	--	--
04/15/97	94	--	--	--	--	--	--	--	--
07/15/97	ND	--	--	--	--	--	--	--	--
10/09/97	160	--	--	--	--	--	--	--	--
01/14/98	110	--	--	--	--	--	--	--	--
04/01/98	110	--	--	--	--	--	--	--	--
07/15/98	200	--	--	--	--	--	--	--	--
10/16/98	ND	--	--	--	--	--	--	--	--
01/25/99	ND	--	--	--	--	--	--	--	--
04/15/99	ND	--	--	--	--	--	--	--	--
07/14/99	140	--	--	--	--	--	--	--	--
10/21/99	210	--	--	--	--	--	--	--	--
01/20/00	519	--	--	--	--	--	--	--	--
04/13/00	81	--	--	--	--	--	--	--	--
07/14/00	107	--	--	--	--	--	--	--	--
10/26/00	240	--	--	--	--	--	--	--	--
01/03/01	164	--	--	--	--	--	--	--	--
04/04/01	240	--	--	--	--	--	--	--	--
07/17/01	ND	--	--	--	--	--	--	--	--
10/01/01	ND<52	--	--	--	--	--	--	--	--
01/31/02	200	--	--	--	--	--	--	--	--
04/18/02	ND<50	--	--	--	--	--	--	--	--

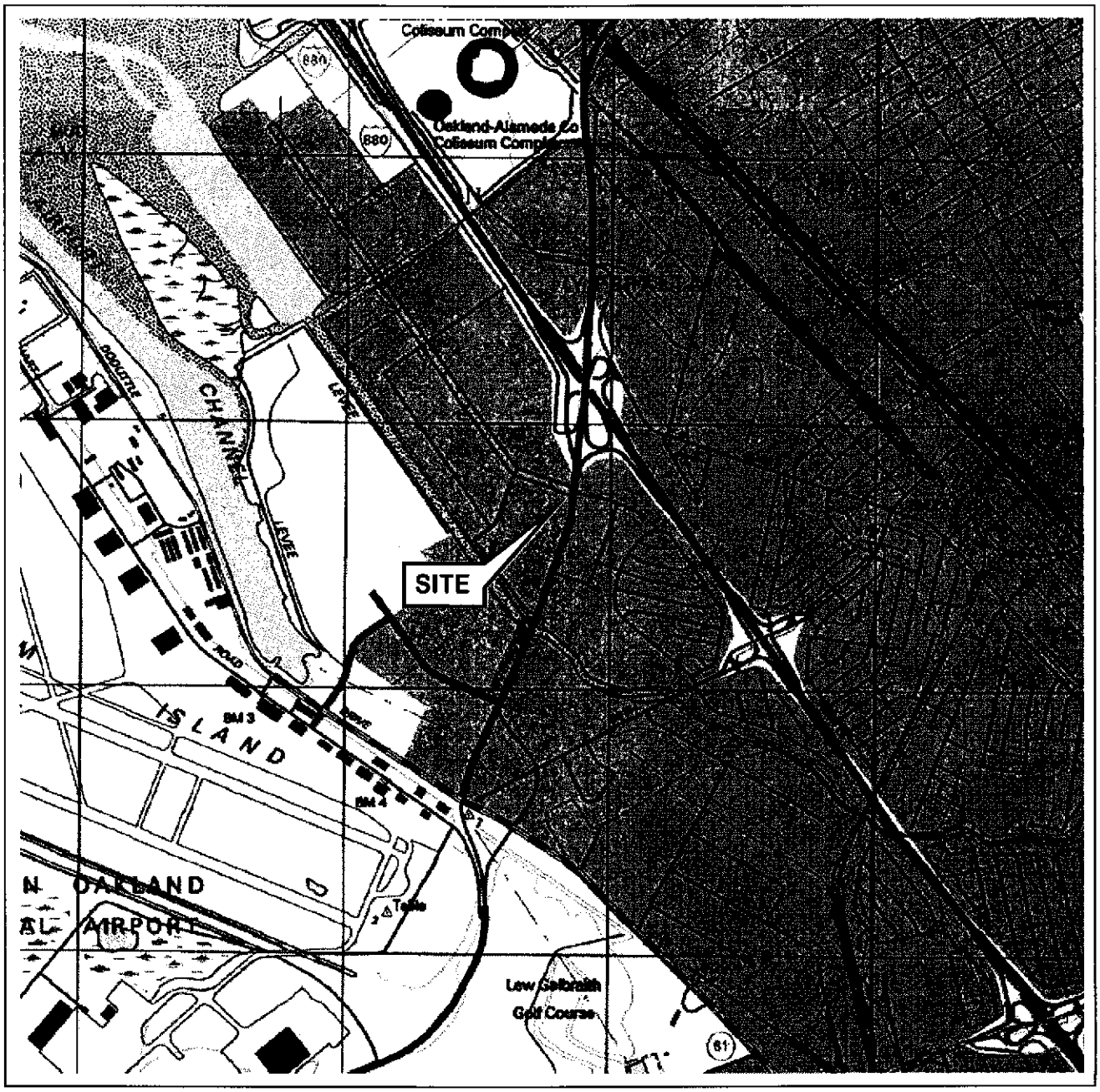
Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-9 continued									
07/28/02	ND<50	--	--	--	--	--	--	--	--
10/09/02	100	--	--	--	--	--	--	--	--
01/02/03	ND<50	--	--	--	--	--	--	--	--
04/01/03	56	--	--	--	--	--	--	--	--
07/01/03	ND<50	--	--	--	--	--	--	ND<500	--
10/02/03	ND<50	--	--	--	--	--	--	ND<500	--
01/09/04	91	--	--	--	--	--	--	ND<500	--
04/26/04	ND<50	--	--	--	--	--	--	ND<50	--
07/22/04	ND<200	--	--	--	--	--	--	ND<1000	--
10/29/04	76	--	--	--	--	--	--	ND<50	--
01/10/05	77	--	--	--	--	--	--	ND<50	--
06/15/05	67	--	--	--	--	--	--	ND<50	--
MW-10									
02/21/95	270	--	--	--	--	--	--	--	--
05/18/95	75	--	--	--	--	--	--	--	--
08/17/95	ND	--	--	--	--	--	--	--	--
07/26/96	ND	--	--	--	--	--	--	--	--
10/28/96	ND	--	--	--	--	--	--	--	--
01/29/97	ND	--	--	--	--	--	--	--	--
04/15/97	ND	--	--	--	--	--	--	--	--
07/15/97	ND	--	--	--	--	--	--	--	--
10/09/97	ND	--	--	--	--	--	--	--	--
04/01/98	62	--	--	--	--	--	--	--	--
07/15/98	78	--	--	--	--	--	--	--	--
10/16/98	ND	--	--	--	--	--	--	--	--
01/25/99	ND	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5043

Date Sampled	TPH-D	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)
MW-10	**continued**								
04/15/99	ND	--	--	--	--	--	--	--	--
07/14/99	180	--	--	--	--	--	--	--	--
10/21/99	96	--	--	--	--	--	--	--	--
01/20/00	252	--	--	--	--	--	--	--	--
04/13/00	69	--	--	--	--	--	--	--	--
07/14/00	149	--	--	--	--	--	--	--	--
10/26/00	83	--	--	--	--	--	--	--	--
01/03/01	126	--	--	--	--	--	--	--	--
04/04/01	75	--	--	--	--	--	--	--	--
07/17/01	ND	--	--	--	--	--	--	--	--
10/01/01	100	--	--	--	--	--	--	--	--
01/31/02	170	--	--	--	--	--	--	--	--
04/18/02	130	--	--	--	--	--	--	--	--
07/28/02	58	--	--	--	--	--	--	--	--
10/09/02	ND<94	--	--	--	--	--	--	--	--
01/02/03	64	--	--	--	--	--	--	--	--
04/01/03	76	--	--	--	--	--	--	--	--
07/01/03	87	--	--	--	--	--	--	ND<500	--
10/02/03	160	--	--	--	--	--	--	ND<500	--
01/09/04	74	--	--	--	--	--	--	ND<500	--
04/26/04	ND<50	--	--	--	--	--	--	ND<50	--
07/22/04	ND<200	--	--	--	--	--	--	ND<1000	--
10/29/04	ND<50	--	--	--	--	--	--	ND<50	--
01/10/05	94	--	--	--	--	--	--	ND<50	--
06/15/05	62	--	--	--	--	--	--	ND<50	--

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
San Leandro Quadrangle

VICINITY MAP

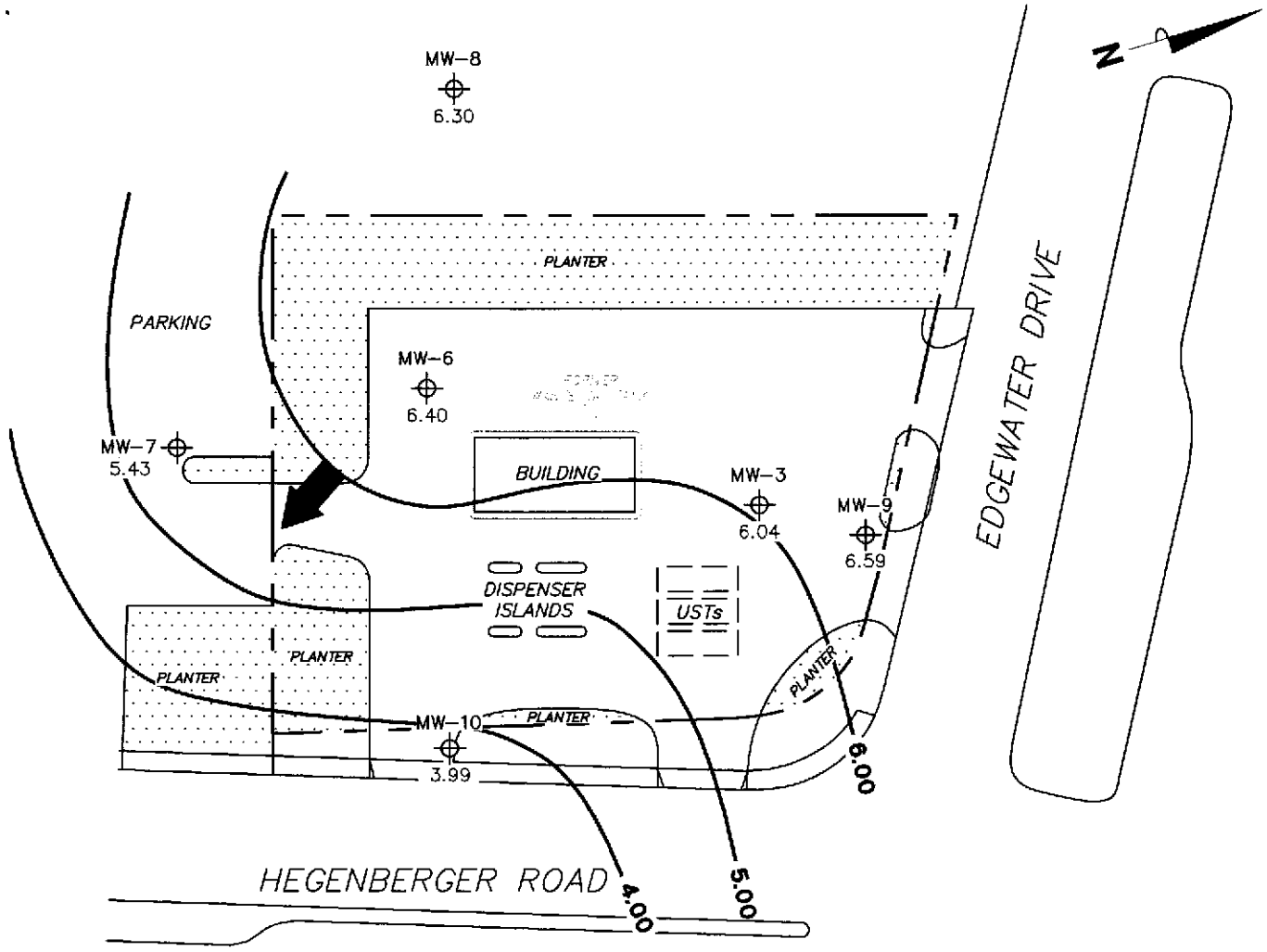
76 Station 5043
449 Hegenberger Road
Oakland, California

TRC

FIGURE 1

PS = 1:1

Graphics on Ir1(i:)\VICINITY MAPS\5043vm.dwg 11/17/03 blw



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

LEGEND

MW-10 ⊕ Monitoring Well with Groundwater Elevation (feet)

6.00 —— Groundwater Elevation Contour

➡ General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
June 15, 2005

76 Station 5043
449 Hegenberger Road
Oakland, California

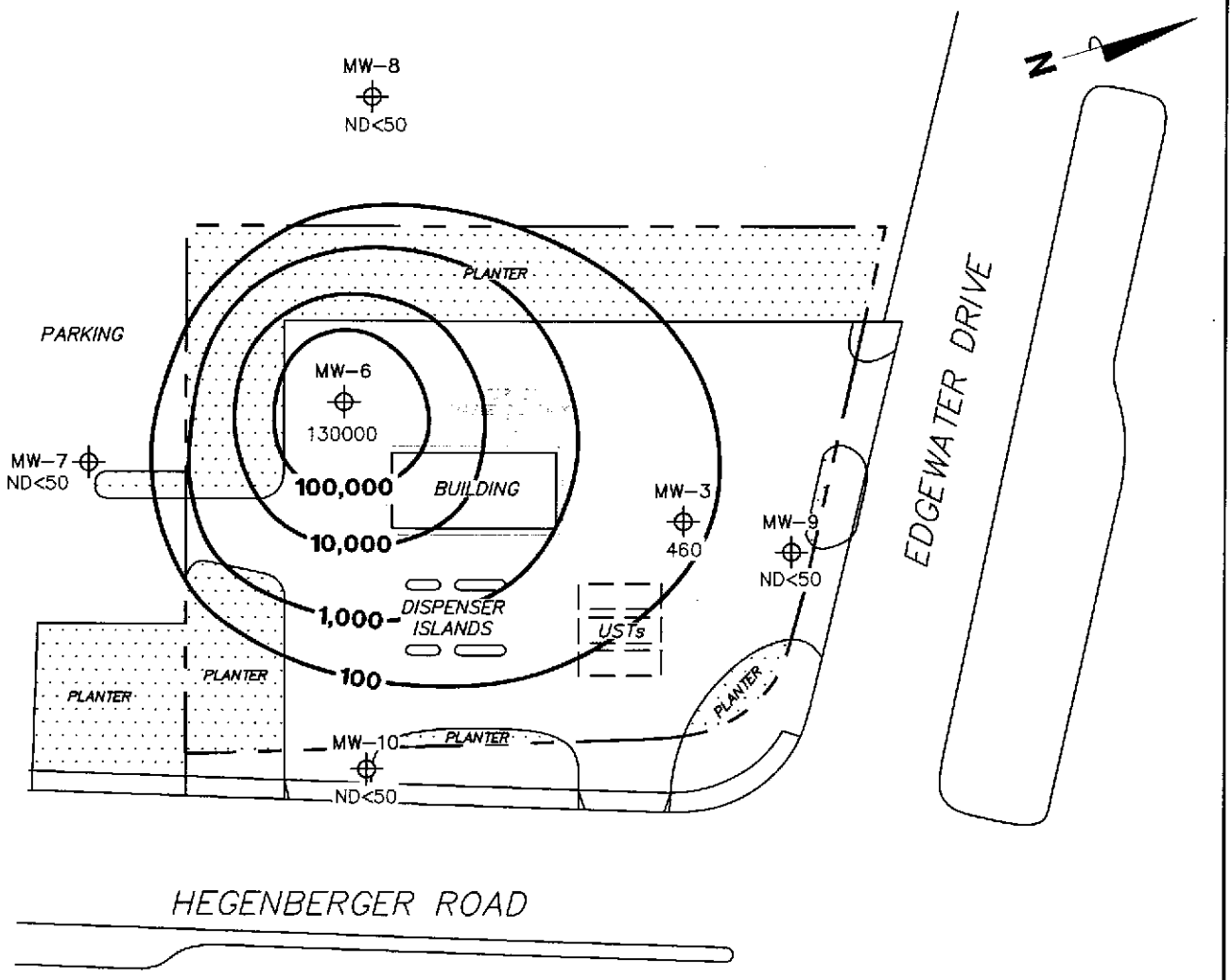
TRC

SCALE (FEET)
0 60

FIGURE 2

PS=1:1 5043-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5043+\5043QMS.DWG Jul 11, 2005 - 12:01pm rhughes



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

-100,000- Dissolved-Phase TPPH Contour (µg/l)

DISSOLVED-PHASE TPPH CONCENTRATION MAP
June 15, 2005

76 Station 5043
449 Hegenberger Road
Oakland, California

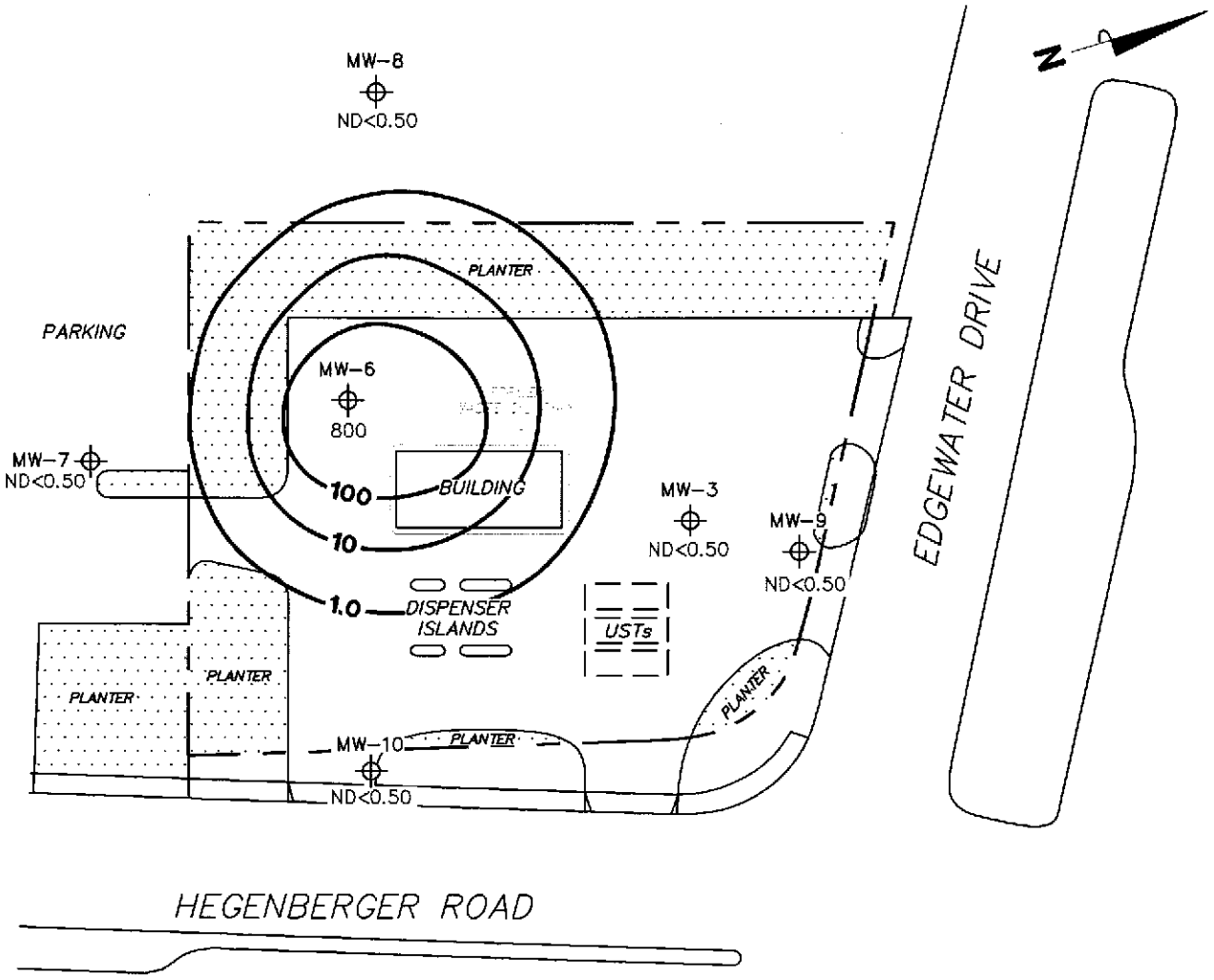
TRC

SCALE (FEET)
0 60

FIGURE 3

PS=1:1 5043-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5043+\5043QMS.DWG Jul 11, 2005 - 2:16pm lwinters



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

—100— Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
June 15, 2005

76 Station 5043
449 Hegenberger Road
Oakland, California

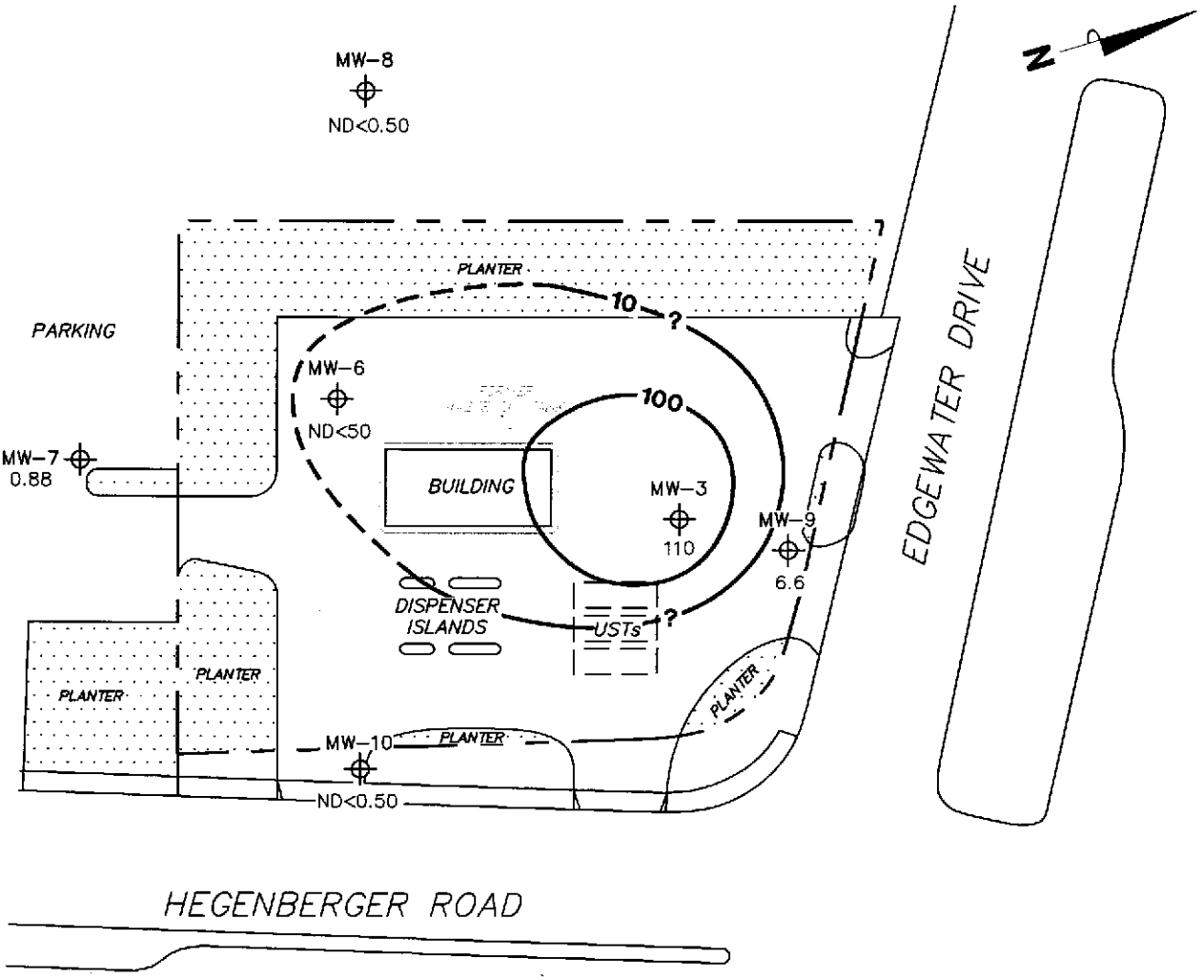
TRC

SCALE (FEET)
0 60

FIGURE 4

PS=1:1 5043-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5043+\5043QMS.DWG Jul 11, 2005 - 3:52pm rhughes



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Dashes indicate contour based on non-detect at elevated detection limit. Results obtained using EPA Method 8260B.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

—100— Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
June 15, 2005

76 Station 5043
449 Hegenberger Road
Oakland, California

TRC

SCALE (FEET)
0 60

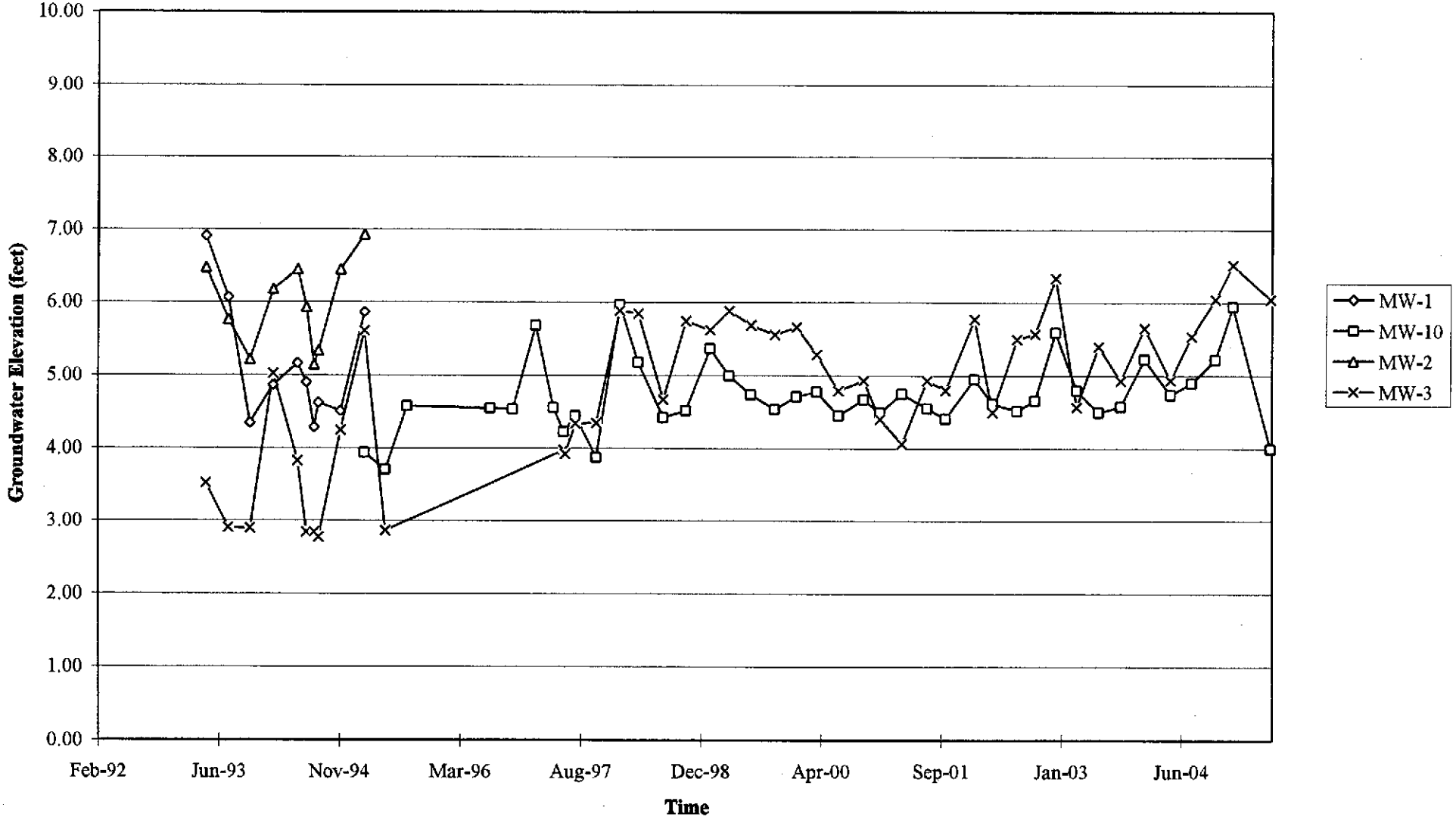
FIGURE 5

PS=1:1 5043-003

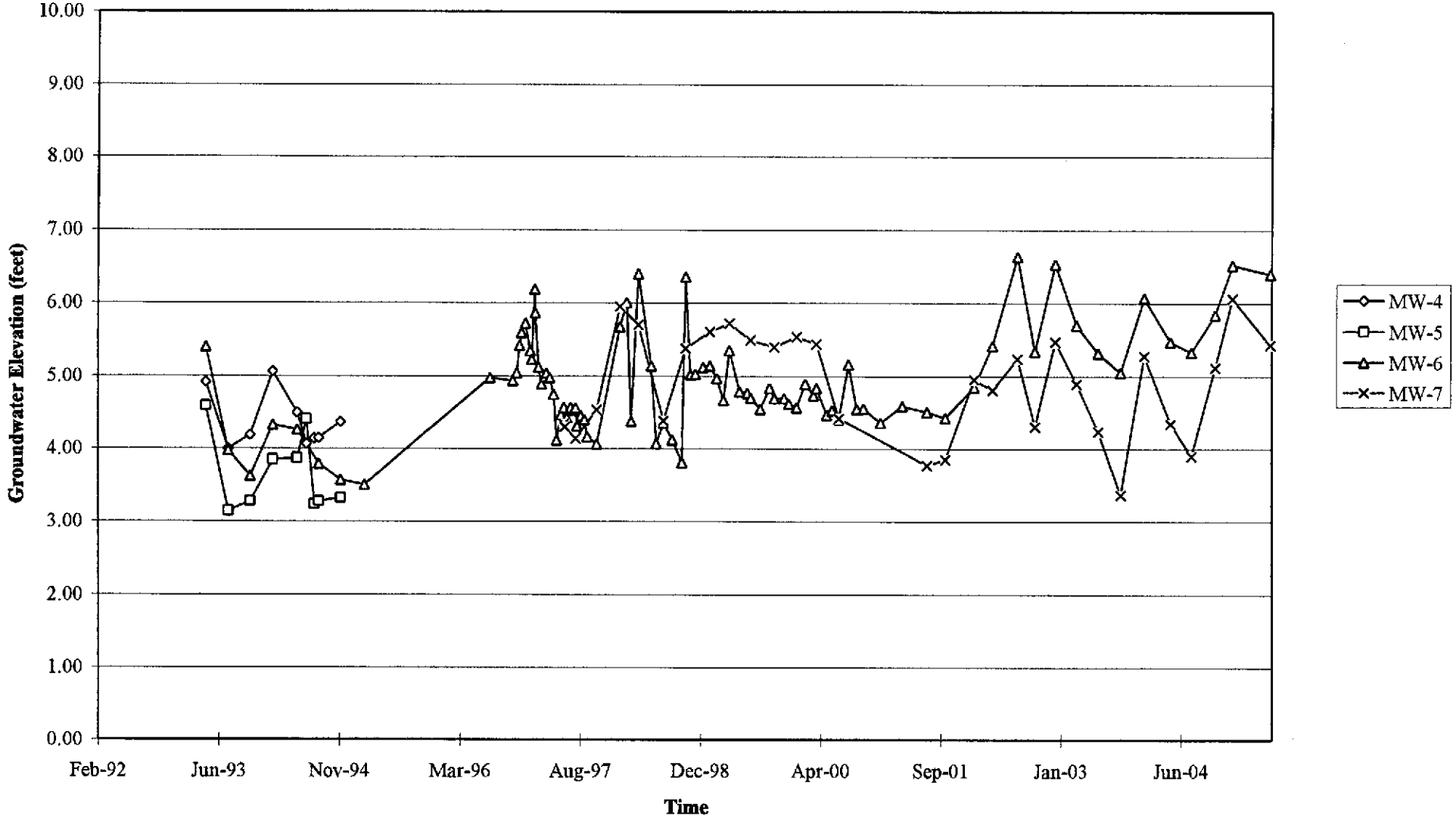
L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5043+\5043QMS.DWG Jul 11, 2005 - 3:53pm rhughes

GRAPHS

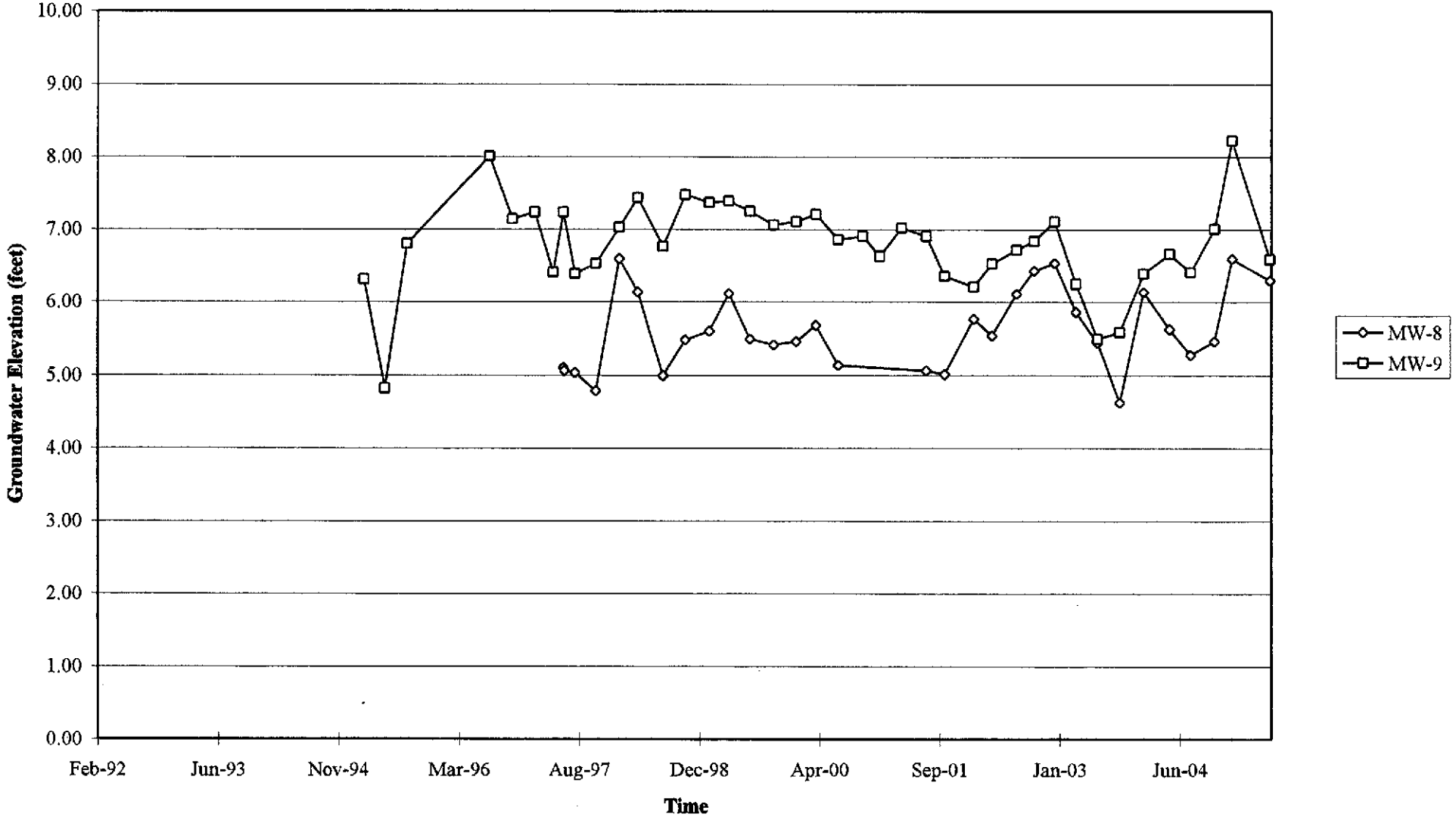
Groundwater Elevations vs. Time
76 Station 5043



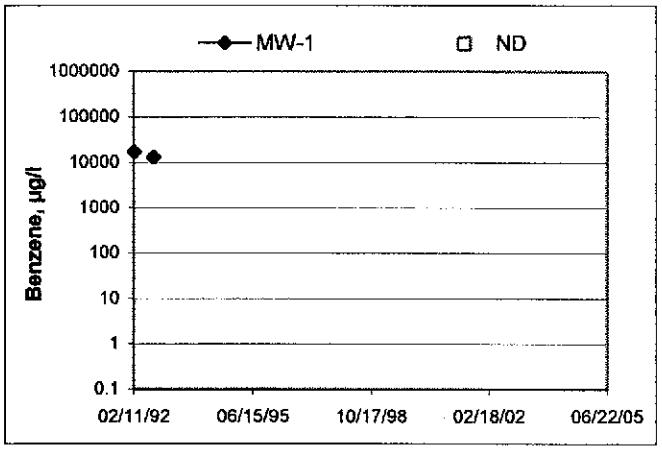
Groundwater Elevations vs. Time
76 Station 5043

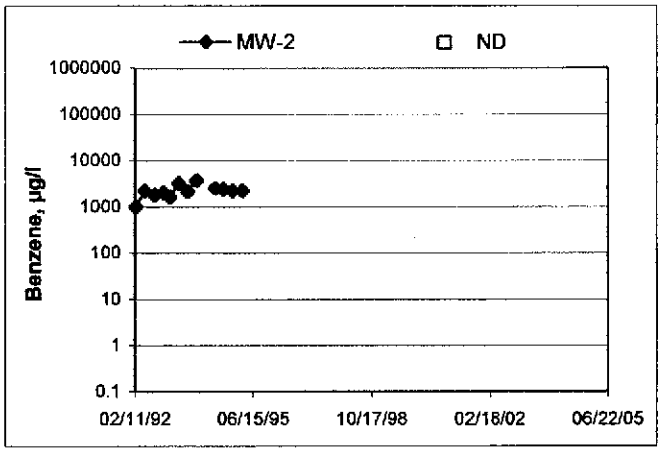


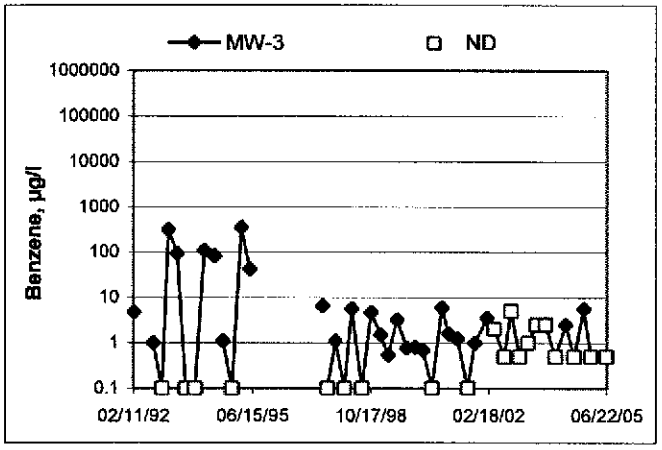
Groundwater Elevations vs. Time
76 Station 5043

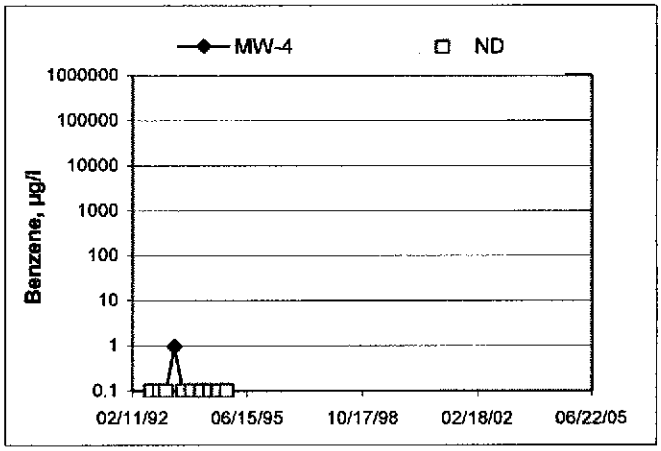


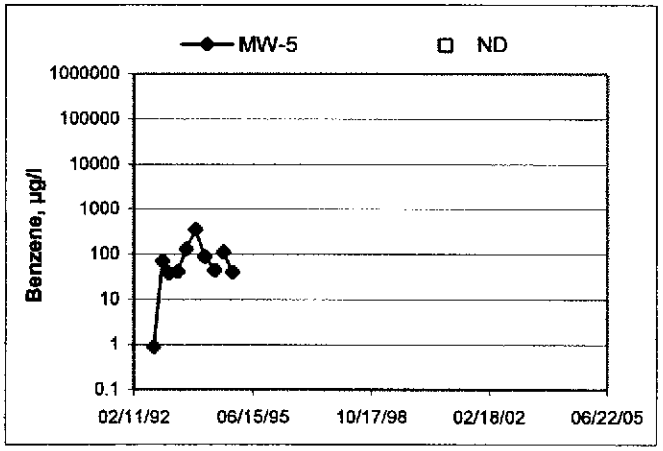
Benzene Concentrations vs Time
76 Station 5043

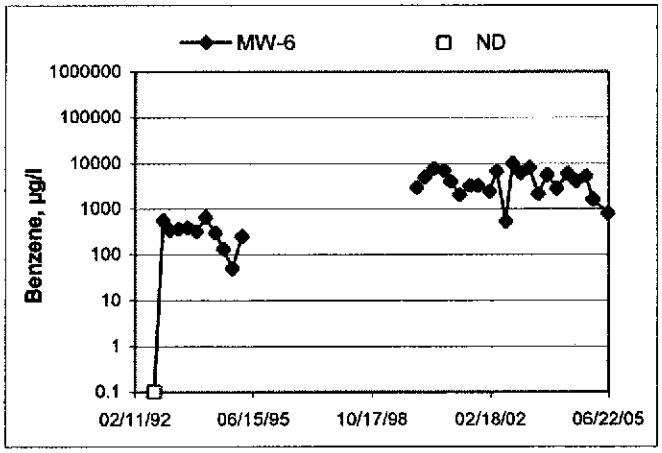


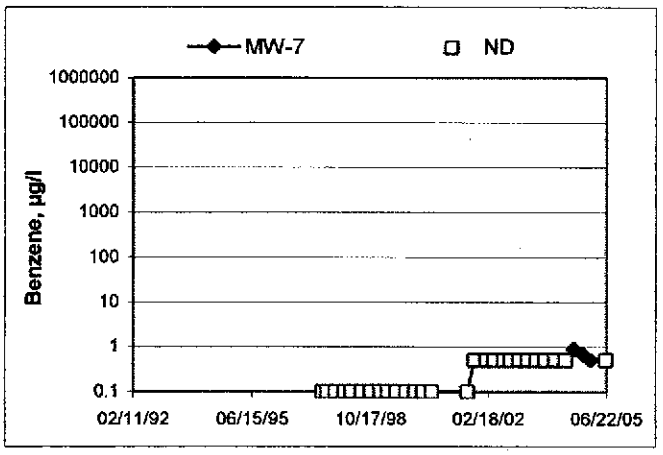


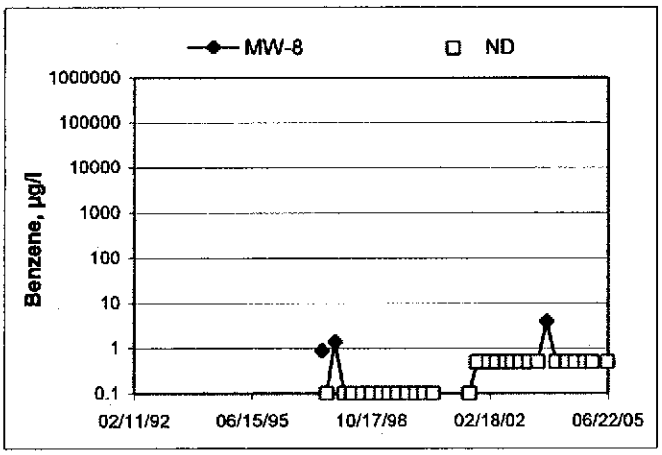






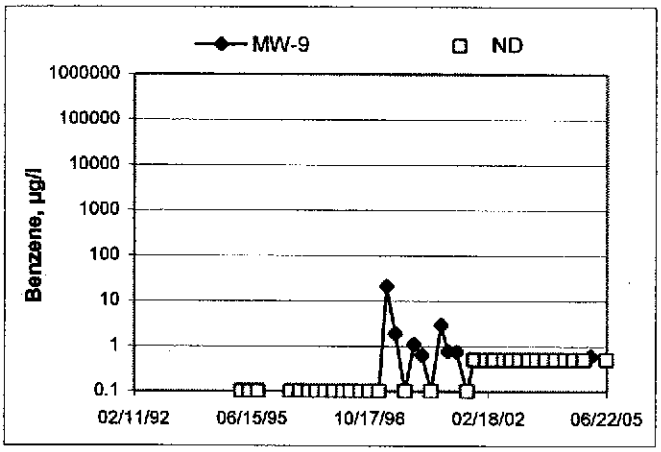


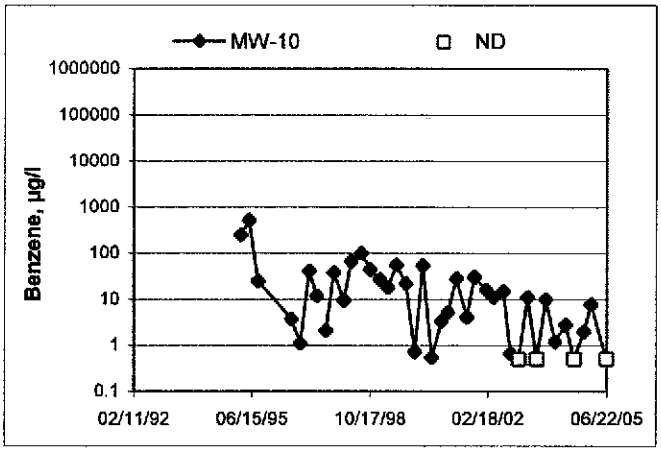




Benzene Concentrations vs Time

76 Station 5043





GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyor's mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable , ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon -sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state -certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain -of-custody form in order to provide instructions to the laboratory. The chain -of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier tra nsports the samples, the carrier is noted on the form.

For wells that have been purged using low flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least -affected well to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activ ities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consi sts of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: Daniel Job #/Task #: 41050001 / FAZO Date: 6-15-05

Site # 5043 Project Manager A. COLLINS Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-8	✓	0725	14.77	2.22	—	—	0901	2"
MW-7	✓	0730	12.80	3.40	—	—	0923	2"
MW-9	✓	0734	12.55	1.70	—	—	0943	2"
MW-10	✓	0740	12.76	4.63	—	—	1000	2"
MW-6	✓	0746	12.76	2.47	—	—	1024	2"
MW-3	✓	0750	14.03	2.00	—	—	1045	2"

FIELD DATA COMPLETE ✓ QA/QC COC ✓ WELL BOX CONDITION SHEETS

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Daniel

Site: 5043 Project No.: 41050001 Date: 6-15-05

Well No.: MW-8 Purge Method: D:a

Depth to Water (feet): 2.22 Depth to Product (feet): Ø

Total Depth (feet): 14.77 LPH & Water Recovered (gallons): Ø

Water Column (feet): 12.55 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 3.73 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
0850			2	15.69	20.1	6.10		
			4	12.03	21.9	5.89		
	0853		6	12.64	22.3	5.82		

Static at Time Sampled	Total Gallons Purged	Time Sampled
3.70	6	0901

Comments:

Well No.: MW-7 Purge Method: D:a

Depth to Water (feet): 3.40 Depth to Product (feet): Ø

Total Depth (feet): 12.80 LPH & Water Recovered (gallons): Ø

Water Column (feet): 9.40 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 5.28 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
0915			2	5.11	22.5	6.59		
			4	1687	22.8	6.58		
	0918		6	2.09	22.7	6.64		

Static at Time Sampled	Total Gallons Purged	Time Sampled
3.45	6	0923

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Daniel

Site: 5043 Project No.: 41050001 Date: 6-15-05

Well No.: MW-9 Purge Method: Dia

Depth to Water (feet): 1.70 Depth to Product (feet): Ø

Total Depth (feet): 12.55 LPH & Water Recovered (gallons): Ø

Water Column (feet): 21.33 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 3.51 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
0935			3	1767	24.3	6.74		
			6	4.90	23.7	7.02		
	0939		9	4.65	23.0	6.80		

Static at Time Sampled	Total Gallons Purged	Time Sampled
3.50	9	0943

Comments:

Well No.: MW-10 Purge Method: Dia

Depth to Water (feet): 4.63 Depth to Product (feet): Ø

Total Depth (feet): 12.76 LPH & Water Recovered (gallons): Ø

Water Column (feet): 8.13 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 6.25 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
0953			1	4.32	21.0	6.87		
			2	3.43	21.6	6.86		
	0957		3	3.26	21.2	6.96		

Static at Time Sampled	Total Gallons Purged	Time Sampled
4.64	3	1000

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Daniel

Site: 5043 Project No.: 41050001 Date: 6-15-05

Well No.: mw-1 Purge Method: Dia

Depth to Water (feet): 2.47 Depth to Product (feet): Ø

Total Depth (feet): 12.76 LPH & Water Recovered (gallons): Ø

Water Column (feet): 10.29 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 4.92 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
1013			2	3.92	20.9	7.03		
			4	663	22.7	6.62		
	1017		6	753	23.4	6.64		

Static at Time Sampled	Total Gallons Purged	Time Sampled
4.50	6	1024

Comments:

Well No.: mw-3 Purge Method: Dia

Depth to Water (feet): 2.00 Depth to Product (feet): Ø

Total Depth (feet): 14.03 LPH & Water Recovered (gallons): Ø

Water Column (feet): 12.03 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 3.40 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
1036			2	1934	25.5	6.44		
			4	3.13	24.1	6.69		
	1039		6	318	23.7	6.92		

Static at Time Sampled	Total Gallons Purged	Time Sampled
3.39	6	1045

Comments:

SEVERN TRENT STL

Submission#: 2005-06-0506

TRC Alton Geoscience- Irvine

June 30, 2005

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001/FA20
Project: Conoco Phillips #5043
Site: 449 Hegenberger Rd., Oakland

Attached is our report for your samples received on 06/16/2005 18:30
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 07/31/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2005-06-0506

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-8	06/15/2005 09:01	Water	1
MW-7	06/15/2005 09:23	Water	2
MW-9	06/15/2005 09:43	Water	3
MW-10	06/15/2005 10:00	Water	4
MW-6	06/15/2005 10:24	Water	5
MW-3	06/15/2005 10:45	Water	6

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-8**	Lab ID:	2005-06-0506 - 1
Sampled:	06/15/2005 09:01	Extracted:	6/26/2005 03:50
Matrix:	Water	QC Batch#:	2005/06/25-2A.62
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	06/26/2005 03:50	
Benzene	ND	0.50	ug/L	1.00	06/26/2005 03:50	
Toluene	ND	0.50	ug/L	1.00	06/26/2005 03:50	
Ethylbenzene	ND	0.50	ug/L	1.00	06/26/2005 03:50	
Total xylenes	ND	1.0	ug/L	1.00	06/26/2005 03:50	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/26/2005 03:50	
Ethanol	ND	50	ug/L	1.00	06/26/2005 03:50	
Surrogate(s)						
1,2-Dichloroethane-d4	113.3	73-130	%	1.00	06/26/2005 03:50	
Toluene-d8	99.3	81-114	%	1.00	06/26/2005 03:50	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-7	Lab ID:	2005-06-0506 - 2
Sampled:	06/15/2005 09:23	Extracted:	6/27/2005 04:23
Matrix:	Water	QC Batch#:	2005/06/26-2D.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	06/27/2005 04:23	
Benzene	ND	0.50	ug/L	1.00	06/27/2005 04:23	
Toluene	ND	0.50	ug/L	1.00	06/27/2005 04:23	
Ethylbenzene	ND	0.50	ug/L	1.00	06/27/2005 04:23	
Total xylenes	ND	1.0	ug/L	1.00	06/27/2005 04:23	
Methyl tert-butyl ether (MTBE)	0.88	0.50	ug/L	1.00	06/27/2005 04:23	
Ethanol	ND	50	ug/L	1.00	06/27/2005 04:23	
Surrogate(s)						
1,2-Dichloroethane-d4	88.7	73-130	%	1.00	06/27/2005 04:23	
Toluene-d8	88.1	81-114	%	1.00	06/27/2005 04:23	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9**	Lab ID:	2005-06-0506 - 3
Sampled:	06/15/2005 09:43	Extracted:	6/26/2005 09:07
Matrix:	Water	QC Batch#:	2005/06/26-1A.62
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	06/26/2005 09:07	
Benzene	ND	0.50	ug/L	1.00	06/26/2005 09:07	
Toluene	ND	0.50	ug/L	1.00	06/26/2005 09:07	
Ethylbenzene	ND	0.50	ug/L	1.00	06/26/2005 09:07	
Total xylenes	ND	1.0	ug/L	1.00	06/26/2005 09:07	
Methyl tert-butyl ether (MTBE)	6.6	0.50	ug/L	1.00	06/26/2005 09:07	
Ethanol	ND	50	ug/L	1.00	06/26/2005 09:07	
Surrogate(s)						
1,2-Dichloroethane-d4	112.7	73-130	%	1.00	06/26/2005 09:07	
Toluene-d8	99.9	81-114	%	1.00	06/26/2005 09:07	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-10**	Lab ID:	2005-06-0506 - 4
Sampled:	06/15/2005 10:00	Extracted:	6/26/2005 11:18
Matrix:	Water	QC Batch#:	2005/06/26-1A.62
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	06/26/2005 11:18	
Benzene	ND	0.50	ug/L	1.00	06/26/2005 11:18	
Toluene	ND	0.50	ug/L	1.00	06/26/2005 11:18	
Ethylbenzene	ND	0.50	ug/L	1.00	06/26/2005 11:18	
Total xylenes	ND	1.0	ug/L	1.00	06/26/2005 11:18	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/26/2005 11:18	
Ethanol	ND	50	ug/L	1.00	06/26/2005 11:18	
Surrogate(s)						
1,2-Dichloroethane-d4	122.2	73-130	%	1.00	06/26/2005 11:18	
Toluene-d8	93.9	81-114	%	1.00	06/26/2005 11:18	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6**	Lab ID:	2005-06-0506 - 5
Sampled:	06/15/2005 10:24	Extracted:	6/26/2005 11:44
Matrix:	Water	QC Batch#:	2005/06/26-1A 62

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	130000	5000	ug/L	100.00	06/26/2005 11:44	
Benzene	800	50	ug/L	100.00	06/26/2005 11:44	
Toluene	1800	50	ug/L	100.00	06/26/2005 11:44	
Ethylbenzene	2200	50	ug/L	100.00	06/26/2005 11:44	
Total xylenes	9300	100	ug/L	100.00	06/26/2005 11:44	
Methyl tert-butyl ether (MTBE)	ND	50	ug/L	100.00	06/26/2005 11:44	
Ethanol	ND	5000	ug/L	100.00	06/26/2005 11:44	
Surrogate(s)						
1,2-Dichloroethane-d4	110.7	73-130	%	100.00	06/26/2005 11:44	
Toluene-d8	101.3	81-114	%	100.00	06/26/2005 11:44	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2005-06-0506 - 6
Sampled:	06/15/2005 10:45	Extracted:	6/26/2005 12:11
Matrix:	Water	QC Batch#:	2005/06/26-1A.62
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	460	50	ug/L	1.00	06/26/2005 12:11	
Benzene	ND	0.50	ug/L	1.00	06/26/2005 12:11	
Toluene	0.70	0.50	ug/L	1.00	06/26/2005 12:11	
Ethylbenzene	0.56	0.50	ug/L	1.00	06/26/2005 12:11	
Total xylenes	1.9	1.0	ug/L	1.00	06/26/2005 12:11	
Methyl tert-butyl ether (MTBE)	110	0.50	ug/L	1.00	06/26/2005 12:11	
Ethanol	ND	50	ug/L	1.00	06/26/2005 12:11	
Surrogate(s)						
1,2-Dichloroethane-d4	112.1	73-130	%	1.00	06/26/2005 12:11	
Toluene-d8	97.2	81-114	%	1.00	06/26/2005 12:11	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/06/25-2A.62**

MB: 2005/06/25-2A.62-029 — Date Extracted: 06/25/2005 18:29

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	06/25/2005 18:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/25/2005 18:29	
Benzene	ND	0.5	ug/L	06/25/2005 18:29	
Toluene	ND	0.5	ug/L	06/25/2005 18:29	
Ethylbenzene	ND	0.5	ug/L	06/25/2005 18:29	
Total xylenes	ND	1.0	ug/L	06/25/2005 18:29	
Ethanol	ND	50	ug/L	06/25/2005 18:29	
Surrogates(s)					
1,2-Dichloroethane-d4	104.0	73-130	%	06/25/2005 18:29	
Toluene-d8	98.0	81-114	%	06/25/2005 18:29	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/06/26-1A.62**

MB: 2005/06/26-1A.62-061 — Date Extracted: 06/26/2005 08:29

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	06/26/2005 08:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/26/2005 08:29	
Benzene	ND	0.5	ug/L	06/26/2005 08:29	
Toluene	ND	0.5	ug/L	06/26/2005 08:29	
Ethylbenzene	ND	0.5	ug/L	06/26/2005 08:29	
Total xylenes	ND	1.0	ug/L	06/26/2005 08:29	
Ethanol	ND	50	ug/L	06/26/2005 08:29	
Surrogates(s)					
1,2-Dichloroethane-d4	101.0	73-130	%	06/26/2005 08:29	
Toluene-d8	95.4	81-114	%	06/26/2005 08:29	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 5030B — Water — Test(s): 8260B

Method Blank — **QC Batch # 2005/06/26-2D.64**

MB: 2005/06/26-2D.64-028 — Date Extracted: 06/26/2005 19:28

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	06/26/2005 19:28	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/26/2005 19:28	
Benzene	ND	0.5	ug/L	06/26/2005 19:28	
Toluene	ND	0.5	ug/L	06/26/2005 19:28	
Ethylbenzene	ND	0.5	ug/L	06/26/2005 19:28	
Total xylenes	ND	1.0	ug/L	06/26/2005 19:28	
Ethanol	ND	50	ug/L	06/26/2005 19:28	
Surrogates(s)					
1,2-Dichloroethane-d4	87.4	73-130	%	06/26/2005 19:28	
Toluene-d8	89.0	81-114	%	06/26/2005 19:28	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/06/25-2A.62**

LCS 2005/06/25-2A.62-003 Extracted: 06/25/2005 Analyzed: 06/25/2005 18:03
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	17.3		25	69.2			65-165	20		
Benzene	17.5		25	70.0			69-129	20		
Toluene	19.1		25	76.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	481		500	96.2			73-130			
Toluene-d8	469		500	93.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/06/26-1A.62**

LCS 2005/06/26-1A.62-060 Extracted: 06/26/2005 Analyzed: 06/26/2005 08:03

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.1		125	92.4			65-165	20		
Benzene	22.9		125	91.6			69-129	20		
Toluene	22.7		125	90.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	481		500	96.2			73-130			
Toluene-d8	477		500	95.4			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike | **Water** | **QC Batch # 2005/06/26-2D.64**

LCS 2005/06/26-2D.64-004 | Extracted: 06/26/2005 | Analyzed: 06/26/2005 19:04
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.0		25	104.0			65-165	20		
Benzene	23.4		25	93.6			69-129	20		
Toluene	24.9		25	99.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	424		500	84.8			73-130			
Toluene-d8	438		500	87.6			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/06/25-2A.62**

MS/MSD

Lab ID: 2005-06-0379 - 002

MS: 2005/06/25-2A.62-051 Extracted: 06/25/2005 Analyzed: 06/25/2005 20:51

Dilution: 1.00

MSD: 2005/06/25-2A.62-017 Extracted: 06/25/2005 Analyzed: 06/25/2005 21:17

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	17.9	17.9	ND	25	71.6	71.6	0.0	65-165	20		
Benzene	18.5	17.4	ND	25	74.0	69.6	6.1	69-129	20		
Toluene	19.1	18.8	ND	25	76.4	75.2	1.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	496	530		500	99.2	106.0		73-130			
Toluene-d8	488	487		500	97.6	97.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS / MSD) — **Water** — **QC Batch # 2005/06/26-1A.62**

MS/MSD — Lab ID: 2005-06-0379 - 010

MS: 2005/06/26-1A.62-059 — Extracted: 06/26/2005 — Analyzed: 06/26/2005 09:59 — Dilution: 5.00

MSD: 2005/06/26-1A.62-025 — Extracted: 06/26/2005 — Analyzed: 06/26/2005 10:25 — Dilution: 5.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	84.0	84.3	ND	125	67.2	67.4	0.3	65-165	20		
Benzene	58.4	71.0	2.77	125	44.5	56.8	24.3	69-129	20	M5	R1,M5
Toluene	56.1	69.8	ND	125	44.9	55.8	21.6	70-130	20	M5	R1,M5
Surrogate(s)											
1,2-Dichloroethane-d4	535	496		500	107.0	99.2		73-130			
Toluene-d8	489	503		500	97.8	100.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS / MSD) — **Water** — **QC Batch # 2005/06/26-2D.64**

MS/MSD — Lab ID: 2005-06-0503 - 010

MS: 2005/06/26-2D.64-029 — Extracted: 06/26/2005 — Analyzed: 06/26/2005 20:22 — Dilution: 1.00

MSD: 2005/06/26-2D.64-030 — Extracted: 06/26/2005 — Analyzed: 06/26/2005 20:46 — Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	322	273	268	25	216.0	20.0	166.	65-165	20	M3,.	M3
Benzene	24.3	22.7	ND	25	97.2	90.8	6.8	69-129	20		
Toluene	29.0	23.5	ND	25	116.0	94.0	21.0	70-130	20		R1
Surrogate(s)											
1,2-Dichloroethane-d4	443	438		500	88.6	87.6		73-130			
Toluene-d8	481	439		500	96.2	87.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

-

M3

Sample > 4x spike concentration.

M5

MS/MSD spike recoveries were below acceptance limits. See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

SEVERN TRENT STL

Submission: 2005-06-0506

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-8	06/15/2005 09:01	Water	1
MW-7	06/15/2005 09:23	Water	2
MW-9	06/15/2005 09:43	Water	3
MW-10	06/15/2005 10:00	Water	4
MW-6	06/15/2005 10:24	Water	5
MW-3	06/15/2005 10:45	Water	6

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-8**	Lab ID:	2005-06-0506 - 1
Sampled:	06/15/2005 09:01	Extracted:	6/27/2005 12:24
Matrix:	Water	QC Batch#:	2005/06/27-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	140	50	ug/L	1.00	06/29/2005 22:18	Q2
Surrogate(s)						
o-Terphenyl	110.6	64-127	%	1.00	06/29/2005 22:18	

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-7**	Lab ID:	2005-06-0506 - 2
Sampled:	06/15/2005 09:23	Extracted:	6/27/2005 12:24
Matrix:	Water	QC Batch#:	2005/06/27-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	06/30/2005 14:14	
Surrogate(s)						
o-Terphenyl	103.5	64-127	%	1.00	06/30/2005 14:14	

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-9**	Lab ID:	2005-06-0506 - 3
Sampled:	06/15/2005 09:43	Extracted:	6/27/2005 12:24
Matrix:	Water	QC Batch#:	2005/06/27.05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	67	50	ug/L	1.00	06/29/2005 23:12	Q2
Surrogate(s)						
o-Terphenyl	110.9	64-127	%	1.00	06/29/2005 23:12	

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-10**	Lab ID:	2005-06-0506 - 4
Sampled:	06/15/2005 10:00	Extracted:	6/27/2005 12:24
Matrix:	Water	QC Batch#:	2005/06/27-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	62	50	ug/L	1.00	06/29/2005 23:39	Q2
Surrogate(s)						
o-Terphenyl	109.4	64-127	%	1.00	06/29/2005 23:39	

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-6**	Lab ID:	2005-06-0506 - 5
Sampled:	06/15/2005 10:24	Extracted:	6/27/2005 12:24
Matrix:	Water	QC Batch#:	2005/06/27-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	16000	500	ug/L	10.00	06/29/2005 00:06	Q2
Surrogate(s)						
o-Terphenyl	NA	64-127	%	10.00	06/29/2005 00:06	S3

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-3**	Lab ID:	2005-06-0506 - 6
Sampled:	06/15/2005 10:45	Extracted:	6/27/2005 12:24
Matrix:	Water	QC Batch#:	2005/06/27-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	360	50	ug/L	1.00	06/30/2005 00:33	Q2
Surrogate(s)						
o-Terphenyl	99.5	64-127	%	1.00	06/30/2005 00:33	

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 3511 — Test(s): 8015M
Method Blank — **Water** — **QC Batch # 2005/06/27-05.10**
MB: 2005/06/27-05.10-001 — Date Extracted: 06/27/2005 12:24

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	06/28/2005 10:57	
Surrogates(s)					
o-Terphenyl	102.1	64-127	%	06/28/2005 10:57	

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Batch QC Report

Prep(s): 3511 Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2005/06/27-05.10**

LCS 2005/06/27-05.10-002 Extracted: 06/27/2005 Analyzed: 06/29/2005 11:49
LCSD 2005/06/27-05.10-003 Extracted: 06/27/2005 Analyzed: 06/29/2005 12:16

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	564	552	680	82.9	81.2	2.1	60-150	25		
Surrogates(s)										
o-Terphenyl	1.36	1.34	1.25	109.1	107.0		64-127	0		

Diesel (C9-C24)

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 06/16/2005 18:30

Site: 449 Hegenberger Rd., Oakland

Legend and Notes

Result Flag

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

S3

Surrogate recovery not reportable due to required dilution.

ConocoPhillips Chain Of Custody Record

116659

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:
INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS Attn: Dee Hutchinson 3611 South Hulen Suite 200 Fort Worth, TX 76109
2005-06-0506

ConocoPhillips Work Order Number: 1347 TRC 501
ConocoPhillips Cost Object:
DATE: 6-15-05
PAGE: 1 of 1

SAMPLING COMPANY: TRC	Vendor Value ID:	CONOCOPHILLIPS SITE NUMBER: 5043	GLOBAL ID NO.: T0600101476
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 449 Hegenberger Rd. Oakland	CONOCOPHILLIPS SITE MANAGER: Shelby LATHROP
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (EP or Designee): Peter Thomson, TRC pthomson@trcsolutions.com	PHONE NO.: 949-341-7408
TELEPHONE: 949-341-7440	FAX: 949-753-0111	E-MAIL: afarfan@trcsolutions.com	E-MAIL: LAB USE ONLY:
SAMPLER NAME(S) (Print): Daniel	CONSULTANT PROJECT NUMBER: 41050001/FA20		

TURNAROUND TIME (CALENDAR DAYS): ☐ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MBE	Lead ☐Total ☐STLC ☐TCLP	TPH-D 8015M	TPH-G by 8260B	BTEX/MTBE by 8260B	ETHanol 8260B	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
1	MW-8	6-15	0901	GW	6									X	X	X	X	TEMPERATURE ON RECEIPT C° 2
	MW-7		0923															3 VOAs w/HCl
	MW-9		0943															3 VOAs unpres.
	MW-10		1000															
	MW-6		1024															
	MW-3		1045															

Relinquished by: (Signature) Daniel St. Nicholas	Received by: (Signature) Refrigerator	Date: 6-15-05	Time: 1229
Relinquished by: (Signature)	Received by: (Signature)	Date: 6.16.05	Time: 1045
Relinquished by: (Signature)	Received by: (Signature)	Date: 6.16.05	Time: 1830

@1803 Revision

STL-San Francisco

1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Chain Of Custody Record

116659

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS, Attn: Dee Hutchinson, 3611 S[...] Suite 200

2005-06-0506

ConocoPhillips Work Order Number: 1347 TRC 501

ConocoPhillips Cost Object:

DATE: 6-15-05

PAGE: 1 of 1

SAMPLING COMPANY:	TRC
Valid Value ID:	
CONOCOPHILLIPS SITE NUMBER:	5043
GLOBAL ID NO.:	T0600101476
ADDRESS:	21 Technology Drive, Irvine CA 92618
SITE ADDRESS (Street and City):	449 Hegenberger Rd. Oakland
CONOCOPHILLIPS SITE MANAGER:	Shelly LAThrop
PROJECT CONTACT (Hardcopy or PDF Report to):	Anju Farfan
EDF DELIVERABLE TO (RP or Designee):	Peter Thomson, TRC, pthomson@trcsolutions.com
PHONE NO.:	949-341-7408
TELEPHONE:	949-341-7440
FAX:	949-753-0111
E-MAIL:	afarfan@trcsolutions.com
LAB USE ONLY	
SAMPLER NAME(S) (Print):	Daniel
CONSULTANT PROJECT NUMBER:	41050001/PA20

TURNAROUND TIME (CALENDAR DAYS): ☐ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☒

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MTBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MTBE	Lead ☐Total ☐STLC ☐TCLP	TPH-D 8015M	TPPH by 8260B	BTEX/MTBE by 8260B	ETHanol 8260B	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
✓	mw-8	6-15	0901	GW	6									X	X	X	X	3 voas w/HCL, 3 voas unpres.
	mw-7	↓	0923	↓	↓									↓	↓	↓	↓	↓
	mw-9	↓	0943	↓	↓									↓	↓	↓	↓	↓
✓	mw-10	↓	1000	↓	↓									↓	↓	↓	↓	↓
✓	mw-6	↓	1024	↓	↓									↓	↓	↓	↓	↓
✓	mw-3	↓	1045	↓	↓									↓	↓	↓	↓	↓

TEMPERATURE ON RECEIPT C°: 3

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Daniel Christopher	Refrigerator	6-15-05	1229
[signature]	[signature]	6-16-05	1045
[signature]	[signature]	6.16.05	1830

5/12/03 Revision

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures – Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.

LARGE MAP REMOVED